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THE FOLLOWING ARE THE LINE rates charged for advertising in the Los Astrus Times, published every day in the year:
MALL CLASSIFIED ADVERTISEMENTS,
"Wanted," "For Sale," etc., 5 cents per Agate line for each insertion, or 41.00 per line per month, payable at the counter.

DISPLAYED ADVERTISEMENTS, in preferred or fixed positions, fixed or eight pages, is cents per Nonparell, line for each mertion. Same, taking run of the paper, and mertion. Same, taking run of the paper, and taking run of the paper. The paper of the contains 12 Nonparell lines; one column, 360 Nonparell lines.

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ddress, Telephone No. 29 THE TIMES-MIRROR COMPANY,

Emusements

GRAND OPERA HOUSE. ONE WEEK.

Commencing Monday, January 6th SPECIAL ENGAGEMENT

108-PEOPLE-108 32-ORCHESTRA-32 BEPERTOIRE: FAUST, TROVATORE, CARMEN, MARITANA

MIGNON, BOHEMIAN GIRL, FREISCHUT

(reserved)...

Sents on sale Thursday, January 2d, at 10 am. GRAND OPERA HOUSE.

Work Commencing

day December 30

The Charming and Gifted Comedienne,

MISS VERNONA

A RER BIB EEE A U U

A RER BIB EE AU UU

fonday, Tuesday, New Year's Matinee and Evening, in her brilliant musical comedy..... STARLIGHT

One Week Saturday Matingo. Commencing Monday, January 6th J. 'M. HILL'S

Union Square Theater Company in A POSSIBLE CASE, A POSSIBLE CASE, A POSSIBLE CASE, A POSSIBLE CASE,

An Amusing Comedy, by Sydney Rosenfeld. 18-FIRST-CLASS ARTISTS IN THE CAST-18

A Brilliant Society Play; a melange of Fun, Fact and Fancy; Original Costumes and Scenery. Seats on sale at the box office Thursday mornin ATHLETIC GROUNDS.

RIVERSIDE VS. LOS ANGELES,

New Year's DayJanuary 1s

General Admission, 25 cents. Ladies Free. LLINOIS HALL. Fort and Sixth Streets.

Music, Elecution, Shadow Pantomime, aturday Evening, Jan. 4th, the charming open, "Rose of Auvergne," and the musical ex-regauza, "Spasms," Under the managemen

etta. "Rose of Auvernance of the in-travaganza, "Spasma" Under the in-travaganza, "Spasma" Under the in-or J. R. Pavilla. Jan. Slat and Feb. 1st, HENRY GEORGE.

VIENNA BUFFET,

Corner of Main and Requena Streets.

F. KERKOW, Proprietor.

Refined musical entertainment evory night from 7:30 until 12 o'clock.

ADMISSION FREE:
Change of programme nightly. Change theatrical troups weekly. The only original AUNTRIAN-HUNGARIAN KITCHEN.
Open all day and night. Popular prices. Polit and attentive service gueranteed.

FORT-ST. M.E. CHURCH, JAN. 1. New Year's Night! New Year's Night! FLORA BATSON! FLORA BATSON!

The greatest colored singer in the world, supported by popular talent. Tickets (to all parts of house), 50 ets.

Now on sale at Bartlett's 18 W First at

STOCKHOLDERS' MEETING-STOCKHOLDERS' MEETING—
The sanual meeting of the stockholders of the Security Savings Bank and Trust Company, for the election of directors and for the transaction of other business that may come before them, will be held in the banking office of said corporation, No. 40 S. Main St., in the city of Los Angleis, on Tuesday; the 14th day of January, A.D. 1899, at 2 o'clock p.m. All stockholders are requested to attend. J. F. SARTORI, Secretary. December 30, 1889. December 30, 1889.

LOS ANGELES LAND BUREAU

has removed its real estate office to the
somer of W. First and Fort sts., cpp. the Times
office, where city lots, farms and fruit or-flared
will be bought and sold. GEORGE W. FRINK,
Fresident.

H. H. BENEDICT, MECHANICS' Express, general express and baggage transfer, 203 H. SPRING STREET, Plano and furniture moving a specialty. Telephone 549.

FOWLER & COLWELL, BOOKS, new and old, bought and soid. 11 W. SECOND ST., between Spring and Main. THE BEST 25c MEAL IN THE city can be had at the CLIFTON HOUSE comer Fort and Temple sts. DUNNING & HANNA, SCHOOL supplies and fine stationary. FIFTH outchange, 12.8. Spring st.

WALTERS'S SELECT EXCURSIONS outchange, 12.8. Spring st.

WALTERS'S SELECT EX

WANTED-SITUATION BY AN EX perionced coachman and gardener; best references. Address or call at 419 W. TENTH ST

v v rapher by a young man who has had experence and can give city references. Apply or and lress A. L. E., 871 CENTRAL AVE. WANTED-SITUATION IN A PRI-Work. Address YEE HING, 404 S. Fort st. WANTED - SITUATION; A BOOKKeeper, for the last 2½ years with a leading
m, would like a situation January 1st. Address
h, hox 686, CITY P. O.

WANTED-SITUATION BY A COM-petent cook; no objections to plain washing: Address 703 S. HILL ST.

WANTED—A BLACKSMITH WHO thoroughty understands both light and beary carriage and wagon work, repairing and general jobbing; must be temperate, industrious man and roduce good references; none others ind produce good references; none other opply. Address, giving age, experience and RIVERSIDE CARRIAGE COMPANY 23, Riverside, Cal.

Box 823, Riverside, Cal.

WANTED — AGENTS; NEW AND wonderful book, in both English and German event explorations and adventures of Stanley in the wilds of Africa; thrilling accounts of the properties the Dark Continent; over 200 can be presented in the Continent of the Continen

CHARLEY GEAN, EMPLOYMENT N. LOS ANGELES ST., bet First and Requena WANTED—EMPLOYMENT OFFICE, ROOM 16, Downey block; competent help

BOSTON FEMALE EMPLOYMENT

HELP FREE, MALES AND FEMALES 15% N. Spring. E. NITTINGER. Tel. 113

WANTED-FOR A HOME, FROM L. CRESTON, Box 57, McCoy's Station

WANTED-LOT OR PART LOT IN business center; must be cheap for cash state location and price. Address P 12, TIMES Wanted-To Rent

WANTED—A BUYER FOR 50 TO 200
feet frontage in the heart of the city between Los Angeles and San Pedro size, on north
side of E. Third at, gow being opened 30 feet
wide; property must be sold to pay arrest assessments. Apply to owner, 131 SAN PEDRO ST.

WANTED-HORSEMEN TO KNOW that SAM FLETCHER, Practical Horse-clipper, is at 218 W. First st., between Fort and Hill; machine work, and guaranteed; telephone garanteed;

WANTED - TO BOARD TWO LA-

WANTED-SECOND-HAND FURNI-VV ture, carpets, sewing machines and all kinds of household goods; highest market price paid, at BARNES & ARNOLD'S, 218 S. Main st.

MISS ACKELSON'S PRIVATE school will re-open January 6th, at 312 W. WANTED-HORSE, FOR HIS KEEP-ing. Must drive single. H. M. LEE & BRO., 126 W. First st.

ures; spot cash and highest price paid at RICE'S, 328, 330, 332, 334, 336 S. Springst WANTED - \$250 ON GOOD REAL estate security. H. P. ERNST, 203 W WANTED-PICTURES TO FRAME cheapest place at BURNS'S, 152 S. Main.

TRUE C. NARAMORE COLLECTS
rents and bills of all kinds on commission.
Room 1, NO. 6 S. SPRING ST. WANTED-1000 HEAD OF CATTLE FORT ST. WANTED - A SECOND GRADER Apply at 53 N. SPRING

WINTER TRAVEL-FORTNIGHTLY

employe.

sepera have improved heaters for light cook
and making tea and coffee. ing and making tea and coffee.

Adjustable lunch tables in every section,
Adjustable lunch tables in every section,
Adjustable lunch tables in every section,
Lewe Los and New Orleans for sight seeing.
Lewe Los and the Worleans for sight seeing.

Be the seeing s

CXCURSIONS VIA SOUTHERN Toute to all points East; through tourist sieepers: Thursday, January Bth and 23d. For particulars call on or address C. E. KIBBEY, agent, 30 S. Spring st., Los Angeles. PHILLIPS'S EXCURSIONS ARE PER-sonally conducted in Pulinan torrist sleeping-cars through to New York and Boston. Office,

OR EXCHANGE—10 ACRES IN OR nages, bearing, 10 acres, walnuts, bearing, ose to Santa Ana; fine location, sandy loam water; 10 acres 5-year-old soft-shell walnuts, bearing; exceptionally choice, sandy loam, beautiful to the same of the bearing; exceptionally choice, sandy loam beautiful location, surroundings unsurpassed; for soil, location and income it's the cream of the valley; 10, 20 and 60-are alfalfa ranches to trade for Los Angeles city property; these properties are exceptionally choice; 705 acres close to St. Mary's, Kan., rich bottom land, good innerworks.

FOR EXCHANGE-ONE OF THE BEST I paying and most centrally located family hotel in the city, consisting of 38 elegantly fur nished rooms. As the owner has other large interests to attend to be will exchange for city or county property. FOR EXCHANGE - I WILL EX-

L change a good business that I have run suc-cessfully for over 20 months and pay \$1000 to \$2000 cash for a ranch near to the city. If the place will guarantee the equivalent. Address P 13. TIMES OFFICE.

FOR EXCHANGE-FINE RESIDENCE Tor ranch property in northern part of State for exchange for Los Angeles real estate; wil give good trade and assume incumbrance. Low ANGELES MERCANTILE AGENCY, 13636 8 in for unincumbered eastern; paying Ventur ty fruit ranch, unincumbered, for Los Ang-roperty. KURTZ & LIST, 18 8, Spring st.

FOR EXCHANGE—A NICE HOME: 8 room house and corner lot, \$3500. R. VERCH room 80. Temple block.

TOR SALE — A SNAP — A CATTLE ranch with stock, horses, buildings and every-ling complete. Will make purchaser a fortune inside of three years. For particulars address It. J. TRAINOR, Bacramento, Cal.

NOTICE TO LADIES—LADIES HATS and Bonnets reshaped in any style desired at the LOS ANGELES STRAW WORKS, No. 24 W. Third at, between Spring and Main.

FOR SALE-SMALL STOCK OF GOOD Jewelry. Address A., GLENDORA, CAL.

DACIFIC LOAN COMPANY LOANS out removal, dialnonds, jeweiry, seaiskins, horses, carriages, libraries, bicycles, and building association stock, or any property of value; also on furniture, merchandise, sea, in warehouse; partial payments received; money without delay; private offices for consultation; all business confidential WILSON & DN 620007; managers, rooms 14 and 15, 23%, Sorting 84.

\$1,500,000

LOAN AT R. G LUNTS
LOAN AND INSURANCE AGENCY,
Redick block, corner of First and Fort streets.
Loans made on improved city property, country
farms, dwellings.
Eutilding loans made. Lowest rates.
GERMAN SAVINGS AND LOAN SOCIETY
Of San Francisco, Cal.

TO LOAN-NO COMMISSION.

\$1000 to \$100,000 At the Main-street Savings Bank J. B. LANKERSHIM, President, 326 S. Main st.

\$500,000 TO LOAN—SECURITY Loan and Trust, 23 Second st., hardick Block. Mortgages bought; 6 per cent. debeniures, 7 per cent. and 8 per cent. mortgages sold. We are prepared to make loans from \$1000 to \$30,000 at current rates and with diseasch. E. F. Sipence, Treasurer; M. M. Conger, President; M. W. Stimmon, Secretary.

CRAWFORD & McCREERY.

Room 10. over Los Angeles National Bank,
Loans from 850 to \$50,000.

Short-time loans a specialty.

Buy notes, mortgages Buy notes, mortgages and contracts. COR. FIRST AND SPRING STS.

\$500,000 TO LOAN UPON IMproperty; lowest rates: loans made with dispatch. Address The Northern Counties Investment Trust (limited). FREED, J. SMITH, agont, Fomona, Cal.

CECURITY SAVINGS BANK LOANS \$1,000,000 TO LOAN BY A. J. MONEY TO LOAN ON MORTGAGE.

AND MORTIMER & HARRIS. Attorneys-atLaw. 78 Temple block.

MONEY TO LOAN. L. SCHMIDT, 109 MONEY LOANED ON IMPROVED \$500 TO LOAN. E. BAXTER, 80%

HUNTER & MEADOWS, 108 W. FIRST MONEY TO LOAN IN SUMS TO SUIT.

F. C. ANDERSON, 28 N. Spring st.

MONEY TO LOAN IN LARGE OR
annall sums, at lowest rates of interest. J.
C. OLIVER, 5.8. Fort st. R. W. POINDEXTER, 25 W. SECOND \$25 TO \$5000 TO LOAN ON 30, 60 OR 90 days' time. HUNTER & MEADOWS, 108 W. First st. MONEY TO LOAN ON MORTGAGE.

personal.

DERSONAL-125 TO 150 WORDS PER

L minute in 3 months, course shorthand in Scott-burgh and School, rooms 4 & 5, 1151, W. First at DERSONAL-DIVORCES OBTAINED with the least possible publicity; terms reasonable; advice free. Address LAWYERS, P. O. box 733, Station C, city. TOR SALE—CHEAPER THAN ANY other, the finest bottled lager, best imported Milwaukee beer and fresh steam beer in kegs, good on tap for weeks PHILADELPHIA BREWERY, Allso st.

PERSONAL-INVALID LADY; A pleasant, private home for kept by an experienced urrae. For information address N. W., P.O. BOX 1710. DERSONAL-LEAVE YOUR ORDERS
for the great annual edition of the DAILY
TIMES at the NEWS STAND in the Hotel
Westmissel PERSONAL-MME. HUMPHREY, 19
Third st., near Spring, cloak, dress and wrap
maker. Late of City of Paris pariors.

C. MORRIS PAYS THE HIGHEST
Drice for cast-off clothing; orders by mail

To Let-House TO LET-AT REDUCED RATES:

2 cottages, 4 rooms, close in, \$8 per month. Apply to OWNER, 326 S. Main st.

O LET-COMFORTABLE S-ROOMED

cottage; freplace in each room; large grounds; sood stabiling and outbuildings; good view; situate on high grounds; good ior astima of lung rounles; % mile from Nadeau House, hear car ervice. Apply at from 1, 36% is SPRING ST. TO LET.—FURNISHED, AN OLD AND woll-searchighted family hotel of 36 rooms to

Spring st.

O LET-FINE, NEW AND COMpleta 11-room house on Court st., 8 minutes'
se on Temple at Cable from Spring st.; or will
on easy terms. Apply 221 & SPRING ST. 7]

ta etc. Apply room 2 OPERA-HOUSE

TO LET-SIX-ROOM HOUSE, NO. 484
S. Los Angeles at.; \$22.50 per month. POHL-

TOLET-FOUR-ROOM HOUSE, BARN etc., No. 49 Glardst.: \$12 per month. POHL HAUS & SMITH, 28 N. spring st.

PO LET-FURNISHED COTTAGE, 113

Grand ave., usin Temple st. Apply next door or at 101 8. SPHNG ST., corner Second.

TO LET-S-BOOM HOUNE, SECOND 18., near Olivs. BIRADSHAW & ZELLNER, 34 N. Spring st.

TO LET-6-ROOM COTTAGE, NEAR Tenth and fari sts., \$12. 1. S. SHERMAN, 34 N. Spring st.

To Let.

pOAHBING-HOUSES,
Ardmour. 50 feoms, with large dining-room and
kitchen. Cornet Fort and Sixth sta.
Grand ave. 2 frooms, 525 Grand ave., between
Sixth and seventh st., near cable road.
NO. 300 S. Main st., corner Fourth, opposite the
Westminster, 22250.
No. 302 S. Main st., 20x30, adjoining.
No. 322 S. Main st., 20x30 to alley, with basement.

FOR EXCHANGE-OR SALE, HOUSE

FOR EXCHANGE — ONE OF THE best ranches in Santa Barbara county, located within six miles of Santa Barbara city, containing 57 acres; improvements cost f10,000; 1450 fruit trees, best varieties. Address ROGER BROS, 307 Upper Main 81.

FUR EXCHANGE-GOOD CALIFOR-

TOR EXCHANGE—PIANO FOR A SPRING ST. 15.

MERCHANTS OR CORPORATIONS A ERCHANTS OR CORPORATIONS
designous of securing services of experienced
cretary, cashier or book-keeper. A first-class
siness man, of good accounts ability, large extience, and an expert accountant, will be disensed after January 4th; very highest city and
alter eferodices, or would take part interest in
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FOR SALE—OR EXCHANGE, WELL-established and paying business, in good loca-ing investigation courted; \$300 cash or clear city property. 8 100, 21M 58 0FFICE. OR SALE-AN OLD ESTABLISHED and a first-class business. Address P 19, TIMES OFFICE.

Money to Loan.

a. H. B. ver for the tocation and moderate rans. MRS. E. P. PEPPEN, Manager.

TO LET - FURNISHED BEDROOM and sitting room in private family, with or without board; terms moderate; on cable line, Apply 1804 OKAND AV. THE NEW NATICE.

Furnished rooms \$5 to \$15; gas, bath, paror, etc. MRS ALLEN, corner Los Angeles and

TO LET-PLEASANT SUNNY UN-furnished rooms for housekeeping; flues and furnished rooms for housekeeping; es. 46 and 48 BUENA VISTA ST. TO LET-WELL-FURNISHED, SUN-HILL ST. 336 a. TO LET—A NICELY-FURNISHED kitchen: private family. 331.8, HILL ST.

TO LET—RIFGA NEW WAYS A STATE OF THE PROPERTY OF THE PROPE

TO LET - A LARGE FURNISHED and Miss Browning were placed on the front room at 222 W. FOURTH ST., between coffin. Wreaths were sent by many other To LET—HALF OF DOUBLE HOUSE, cortaining 6 rooms, grate, bath, pantry, hot and cold water, lequire 617 BEAURY AVE.

Theodore Martin.

The dense for which enveloped London.

TO LET-FURNISHED ROOMS, WITH par, \$5 to \$10. The Regent, \$9 Regentst., of POLET, The W. W. GETCHELL.

TO LET-THE SOUTHWESTERN, 108 and 110 MAYO ST. Single rooms, \$1 per reek, 20 cents per night. DO LET ROOMS, VERY REASONA-ble to good tecants. Inquire 9 N. Main st., TURDEVANY. TO LET - CHEAP. FURNISHED AND room 211E SEVENTH ST. 1-6

TO LET - UNFURNISHED ROOMS
TO LET - UNFURNISHED ROOMS
To LET - UNFURNISHED ROOMS
To housekeeping 183 S. LOS ANGELES ST.
TO LET - UNFURNISHED ROOMS
To housekeeping 183 S. LOS ANGELES ST.
To LET - CLOSE IN 3 ROOMS CON-TO LET - UNFURNISHED ROOMS
To housekeeping 163 & LOS ANGELES ST.
TO LET-CLOSE IN, 3 ROOMS CONvenient for housekeeping. 14 BOYD ST. 1

To Let-Miscellaneous

CO LET-50 ACRES CHOICE LAND, with good house, near city fimits; also 24 res on Vermont Ave.; cheap rest. H. VERCH 15 tom su, Temple block. 150 LET-2 FURNISHED OFFICES destributed to Angeles Theater building: \$15 or month. Inquire of TELFAIR CREIGHTON, me building. nonth.

TO LEASE—400 ACRES GOOD PAS-ture lands on Lankershim ranch. Inquire of EWIS 8, HOYT, Secretary, 44 N. Spring st. 2

TO LET — HOUSES, STORES; LONG HIS to select from: free carriage. LOS ANGELES RENTAL AGENCY. IN. Fort st. TO LET—FINE UPRIGHT PIANO, AT 18 per month, at 116 S. HILL ST. 3 Rooms and Board.

HOTEL BRUNSWICK—THIS NEW on His and elegant private family hotel, situated on His new opened to businesses, it, opposite the park is now opened to businesses, as historical, beauti HOTELLINCOLN, CORNER OF HILL hotel; appointments perfect; all modern improvements; elegantly situated and furnished. THOS. PASCOE, proprietor. O LET-WITH BOARD, SEVERAL

Dining.

COOD MINING PROPERTIES thought and sold—Mining prospects and inless bonded, and capital furnished for development of these that can be shown to have merit. NOLAN & SMITH. 34 N. Spring as. M INERS AND PROSPECTORS READ For Additional Classified Advertise-

VATICAN VOICINGS.

The Pope Delivers Another Press. The striking miners at Charlerol Allocution.

Salvador Insurgents Defeated by Government Troops.

Irishmen Refuse to Credit the Recent Charges Against Parnell.

Browning's Remains Interred in th ts' Corner of Westminster
Abbey -- Other News from Abroad.

By Telegraph to The Times.

ROME, Dec. 31.—[By Cable and Associated Press.] The Pope at yesterday's con-TO LET-A HOUSE OF FIVE ROOMS, with bath no one without reference need apply; corner of wilnut and Downey ava.; on cable road. Inquire at \$10 DOWNEY AVE. sistory said he was rejoiced at the building of Catholic universities at Washington, Ot TO LET - OPERA-HOUSE HALL;
open week dates for lectures, meetings. tawa and Fribourg. Catholicism, he said, prospered under the favorable laws of America and the equity of the men who ad-ministered them in that country. His joy at this prosperity rendered the grief which Italy caused him the more striking by con-trast. The Italian adversaries of the church persistently continued their war against it, as was made evident by the recent utterances of persons in public positions acquainted with the intentions regarding the TO LET-A COTTAGE OF 4 KOOMS, with stable, on Twelfth st. west of Union ave. Apply at 123 S. HILL ST. church of the ruler of Italy. Among other recent insults to the church was the demon-stration in honor of Giordano Bruno. The TO LET-6-ROOM HOUSE, FUR-nished, modern: fine location. TAYLOR. 16 Italian government was seeking to detach

the people from the church. It opposed the action of the Pope in every way.

Illis Holiness referred to his temporal power as-necessary to the independence and liberty of the Pope in the exercise of his mission, and declared that he did not claim a restoration of temporal power from hu-man motives; it was his right, and he was TO LET HOUSE, 6 ROOMS, NEAR to his successor as one of the inalienable treasures of the Christian faith. The new local property is the control of the inalienable treasures of the Christian faith. The new local property is the control of the inalienable treasures of the Christian faith. treasures of the Christian faith. The new Iterasures of the Christian penal code just coming into operation, also attacked the just inherty of the clerzy and hindered with new obstacles. An additional, wond was about to be indicted upon the church by the investment was regarding that additional, wond was about to be indicted upon the church by the investment when hindered with unseemly haste. This was detend with unseemly haste. This was additional, wond was about to be indicted upon the church by which its reward with the safety of the Christian faith. The new Iterasure of the Christian faith. The new illustration, addition, on the church with him faith. The new illustry of the clerzy and inindered the with him faith. The new illustry of the clerzy and inindered the with him faith. The new illustry of the clerzy and inindered the Temple block 15

TO LET-GROUND FLOOR OF FIVE Italian penal code just coming into Turnished of auturnished rooms, 610 S. Hill. operation, also attacked the just

course. Riforma says: "The violence of the language used in the Pope's allocution will not prevent Italy from being governed in harmony with the necessities of progress and the aspirations of her people."

A POETS FUNERAL. The Remains of Browning Interred in Westminster Abbey. London, Dec. 31.—[By Cable and Asso-TO LET-ELEGANTLY-FURNISHED service family, at 541 birth and death. Wreaths from the first service family at 541 birth and death. Wreaths from the first service family at 541 birth and death. Wreaths from the first service family at 541 birth and death.

Tolet-furnished or ones grate, both, pantry, bot and cold water. Inquire 517 BEAUDRY AVE.

Tolet-Completelly-furnished to describe the cortege as it is nowed to the Abbey. The sacred structure was crowded with friends and admires of the dead poet. After the services at the altar the coffin was borne to the poets' spring to W. A. WILSON, room 15.

Tolet-Firm OFFICES AND KOOMS in the Wilson book; prices to suit tenants. Apply to W. A. WILSON, room 15.

Tolet-Furnished socrate spring and Third ats. Central location; reasonable rates.

Tolet-Furnished BOOMS, with a discussion of the control of the contr

fusion of rare exotics, white and pink and purple. FAITH IN PARNELL.

His Irish Friends Take No Stock in O'Shea's Charges.

Irish cause, but that nothing could shake the love and trust of the Irish people for their leader.

their leader.

Leamy, member of Parliament, said that those who thought they could induce the people to forget the services alroady rendered by Parnell thoroughly failed to understand the Irish race.

Freeman's Journal says: "Parnell has instructed his counsel to obtain for him at the earliest moment a citation to appear and defend himself in the suit for divorce bought by Capt. O'Shea against his wife, in which Parnell is named as co-respondent."

ABANDONED AT SEA. A German Ship Deserted by Her

Crew. HALIFAX (N.S.), Dec. 31.—[By the Assoiated Press.] The Allen Line steamer Nestorian, after a stormy passage of 20 days from Glasgow, arrived last evening. On Wednesday morning, the 18th, in latitude 54 deg., 15 min., longitude 25 deg., 44 min., the German ship Shakespeare, from Hamburg to New York, was sighted in a disabled condition and signaling for assist-ance. The sea was so rough the Nestorian was compelled to lay to near her all night. The captain of the Shakespeare and crew wished to be taken off. Next morning the wished to be taken off. Next morning the Shakespeare was nowhere visible.

What became of the crew is hard to say, but the mail steamer Sardnilan, which arrived yesterday, passed the Shakespeare December 22d in latitude 54 deg., 21 min., longitude 20 deg., 07 min. She appeared to have been recently abandoned.

INSURGENTS DEFEATED.

by Government Troops.
LA LIBERTAD, Dec. 31.—[By the Associated Press.] The government has gained a great victory against the forces of Gen. Rivas and has occupied six of their principal strongholds. Many were killed on both sides. The revolution will probably soon ha qualled.

San Salvador Revolutionists Routed

NOTES FROM ABROAD. Bread Riot Threatened by the Strik-

ing Miners in Belgium.
BRUSSELS, Dec. 31.—[By the Associated are starving and a bread rlot is threatened. Shopkeepers refuse to give the men further credit. The Governor of Hainault has advised the government to interfere.

BRAZIL'S DICTATORSHIP.
LISBON, Dec. 31.—Advices from Brazil asy that the government has urged the po-litical parties to constitute immediately some kind of a representation for the differ-ent States, in view of the rapidly increasing disorganization and discontent with the

THE CZAR'S DAILY DISCOVERY. PARIS, Dec. 31.—The Siecle says another Nihllist plot against the life of the Czar has been discovered in St. Petersburg. Several conspirators were arrested in the palace passages. Some resisted, and one was killed by an officer.

UNDER A NEW NAME.
BERLIN, Dec. 31.—The Military publishes an imperial order that the regi-ment of dragoons entitled "the Queen of England's Regiment" will henceforth be called "the Queen of Great Britain and Ire-land's Regiment."

A HUNGARIAN DEFAULTER. VIENNA, Dec. 31.—At Presburg, in Hun-gary, the county cashier has absconded with 70,000 florins in cash, leaving unpaid the salaries of public officials to which this money was to be applied.

DE. PETERS A LIVELY CORPSE.

BERLIN, Dec. 31.—The Tagblatt says it has information that Dr. Peters and members of his party are certainly alive, and the expedition is marching between Kenoa and Baringo.

EMIN IS GRATEFUL. Berlin, Dec. 31.—The Emin Relief Com-mission received a letter from Emin, in which he says he will do all he can to per-

New Your, Dec. 51.— By the Associated Press. J The number of deaths during the 24 hours ended at noon today was 100, an increase over the average of 100 per cent.

disease.

Many diplomats are down with the epidemic. Count Hatzenfeldt, German-Ambassador, has been ill a fortnight, but is now better. Mr. Phillips, one of the secretaries in the Foreign Office, and Francis Citilers

are ill.

Berlin, Dec. 31.—The nearer the epidemic in Berlin is drawing to a close, the greater is the tendency to various compileations, mostly that of pneumonia, which itself seems to become veritably epidemic. Other complications are diseases of the ear, and neuralgia. In New Frankfort scarcely a single house has escaped visitation.

VIENNA. Dec. 31.—Prof. Rosenthal and Her Braumülier, bookseller, have died from heart trouble, aggravated by influenza.

Dynamite Did Him Up.

THEY ARE FED AGAIN

More Pudding Patriotism at Boston.

Free-traders Dine and Denounce the Protective System.

Grover Cleveland Put Forward as the Apostle of Reform.

Sanguine Texas Statesman Thinks the Democracy Will Have Its Yorktown Two Years

By Telegraph to The Times.

BOSTON, Dec. 31.—[By the Associated Press.] Members of the Massachusetts Tariff Reform League dined this evening, the occasion being the annual dinner of the organization. Among those present were Hon. Roger Q. Mills of Texas, Hon. Thomas G. Shearman of New York, Ed-ward Atkinson, President Charles W. Eliot of Harvard College, Charles Francis Adams, Hon. John F. Andrew, Hon. Rob-ert Treat Paine, Hon. Patrick A. Collins and others. President Pierce of the league

cluding as follows: "In the light of what has been presented, is it not reasonable to conclude that the leaders of the political party whose corner-stone is protection are ready. In its interest, to sarifice one industry after another, and as many industries as may be necessary, to cement the alilance which they have formed with the wool-growers frommatters and coal barons

Berlin, Dec. 31.—The Emin Relief Commission received a letter from Emin, in which he says he will do all he can to personally assist Germany in her enterprise.

Enn Don, Dec. 31.—A disastrous fire has occurred at the industrial school in Westlam. Twenty-four lives were lost, and the buildings were almost totally destroyed.

PARIS, Dec. 31.—The government intends to enforce the legal penalty against 300 persons convicted of meddling with elections. Death of Parish of the country of their system, to be attaited when the time has come to make it safe. All reasonable free trade the objective point of their system, to be attaited when the time has come to make it safe. All reasonable free trade the objective point of their system, to be attaited when the time has come to make it safe. All reasonable free traders ciaim that, true protection to domestic industry is what they aim at The only difference is on the time of concession. Why not begin now? When mutual tight and confidence in the sincerity of purpose of all who engage in the work shall have been established, in the progress of legislation, we may then for the irrst time since 1801 be in a position in which the true tariff question itself can be enjared upon by reasonable men in a manner consistent with common sense and common honesty. More than cone-half of the subjects of taxation under our present tariff could be put into the free list without diminishing our revenue from customs 15 per cent. In what they have yielded the true tariff could be put into the free list without diminishing our revenue from customs 15 per cent. In what they have yielded the present responsibility, in time of the present responsibility.

24 hours ended at noon today was 126, an increase over the average of 100 per cent. The increase is from paeumonia, bronchitis, and especially consumption. La grtppe is credited with being at the bottom of the increased fatalities. Policemen to the number of the increased fatalities. Policemen to the number of the increased fatalities. Policemen to the number of the fatalities are with the fatalities are with the fatalities. Policemen to the number of the fatalities are with the fatalities are with the fatalities are with the fatalities are without the fatalities.

and especially consumption. La grypes is credited with being at the bottom of the increased fatalities. Policemen to the number of 300 are on the sick list.

UTICA (N.Y.) Dec. 31.—Michael Hopkins, a prominent dry-goods merchant, ded here today of la grippe.

Bostos, Dec. 31.—George P. Smith, 60 years old, a watchman at the Massachusetts is take Prison, suicided this morning while insane from an states of ta grippe.

CICAGO, Dec. 31.—La grippe has a reached the postonice. Postmaster Sexta Prison, suicided this morning while insane from an states of ta grippe.

CICAGO, Dec. 31.—La grippe has a reached the postonice. Postmaster Sexta Prison and Laxistos (Alich), Dec. 31.—A large proportion of the 500 reform school beys are in the state of the grippe.

Nomfork (Va.), Dec. 31.—Twenty-seven cases of its grippe are reported among the Frankin and 45 cases at the United States Marine Hospital here.

A DEMOGRAFIC WAR-HORRE SUCCUMBA.

CASES IN ARIZONA.

CASES IN ARIZONA.

PRESCOT (Ariz.) Dec. 31.—Teon 20 to 30 cases of influenza are reported in Prestoct And Whipple Barracks. No mall-rase and Pacific Railroad.

THE DISEASE IN EUROPE.

Hospitals in Vienna Crowded—The Epidemic in Italy.

VIENNA, Dec. 31.—By Cable and Associated this place since December 25th, owing to washouts on the Atlantic and Pacific Railroad.

THE DISEASE IN EUROPE.

Hospitals in Vienna Crowded—The Epidemic in Italy.

The Board of Health has ordered the sechoois closed until January 7th. The hospitals have become so crowded that it as prippe in severe form. He was taken on the 24th, but a soles work of the sechols closed until January 7th. The hospitals have been no lucrease in the number of the sechols closed until January 7th. The hospitals have been so proported and the warm of the proported and

A Lame Defense.

ABILENE (Kan.), Dec. 31.—J. R. Burton, charged by Secretary Fuller of the Topeka Insurance Company with having accepted money from the company to "influence legislation," admits that he received the amounts stated, but indignantly denies that they were in the nature of a bribe. They were received by him, he says, after the adjournment of, the Legislature, and were in psyment for his services as the company's attorney.

Ratified the Legas.

Ratified the Lease

DENVER, Dec. 31.—A special meetin stockholders of the Denver and Rio Gr stockholders of the Denver and the Grand Railway was called to order at the office. President Moffatt, this afternoon for it purpose of ratifying the lease of the jun-tion line nowfunder construction from Rif Creek to Grand Junction. A little over per cent. of the stock was represented the meeting. The meeting adjourned with out transacting further business.

PORTLAND (Or.), Dec. 31 .- Capt

Simpson of the British ship Can un down and sunk by the Un Coast steamer Oregon, four days belied the Oregon today for \$130 ages. The steamship is now in a deputy. The company furnishe essary bonds and the Oregon was Francisco to Indight.

NEWSDEALERS AND SCHOOL

REGISTERED JERSEY BULL-boining snyder's nursery; Ene milk strate. F. M. DOUGLASS.

Wlante,

Wanted-Situations WANTED-WORK BY A STENOG-trapher and typewriter, a part of each day in exchange for room and board. City references given and required. Address TYPEWRITER, Times office.

WANTED - BY A THOROUGHLY day, week or month on moderate terms; correspondence conducted; bills collected. Address HENRY SMITH, 421 Wall st., Los Angeles. 4

R, Box 656, CITY P, O.

WANTED — A YOUNG JAPANESE man cook wants a situation in a first-class family, b. S. A. 413 E. FIRST ST.

WANTED — BY A YOUNG MAN lately from the East, work of some kind in respectable business. Address P. 15, TIMES. 6

Wanted-Help. WANTED—STONE MASON; THREE ranch hands; five shovelers; a colored bell boy; wood choppen; colored waitress; 2 chambermaids, \$15 and room; 3 smail girls, \$10, \$12 and \$15 a month; 11 housegirls, \$15, \$20 and \$25 a month; nursegirl, \$12 a month; \$20 and \$25 a month; cc; 4 girl waiters for the cluy, \$20 and room; 6 good girl waiters for the cluy, \$20 and room; nursewaiters for the country, \$20 and room; nursewaiters for the country \$20 and room; nursewaiters for the country \$20 and \$20 and \$20 and room; nursewaiters for the country \$20 and \$20 and room; nursewaiters for the country \$20 and room; nursewaiters for the country \$20 and \$20 and room; nursewaiters for the country \$20 and \$20 and room; nursewaiters for the country \$20 and room; nur

WANTED - GIRL TO DO HOUSE work, Call at CHAPMAN & PAUL'S, 1 WANTED-CANVASSERS. P. F. COLLIER & CO., basement California

WANTED-A FURNISHED HOUSE or that of 4 or 8 rooms, close in and of modern ate regt. Address P 18 TIMES OFFICE

ments. Apply to owner, 101 SAN PEDRO ST.

WANTED—A FEW MORE HORSES
to board at the Olive-street stable; floored
throughour; box stalls; prompt attention and
oblighing attendants. No. 528 S. Olive st., betSixth and Seventh. Also first-class livery rigs, alnew, Tel. 324. T. H. REYNOLDS, Prop.

WANTED — IMMEDIATELY, TO fill orders for furniture of all descriptions; the highest cash price paid at the ligh awning, 220 and 228 8. spring st. CLIFFORD'S.

WANTED — TO BUY, FURNITRE, harness, tools, sloves, showses, tents at V harness, tools, stoves, showcases, tents, etc. OLGAN'S SECOND-HAND STORE, No. 12

WANTED-CHILDREN TO BOARD
pleasant and healthy location and motherly
care. Apply BOSTON AGENCY, 109 W. Fourte WANTED - TO BUY PART OR whole interest in a paying business; price from \$800 to \$1000. Address J. SMITH, 113 N. Workman St. East Los Angeles.

WANTED-FURNITURE ANI

Ercursions. TOTIER TRAVEL—FORTNIGHTLA TOURISE EXCURSION, organized and conducted a Southern Pacific Company, via the Sume e, New Orleans, direuigham. Chaitanooga clinciunat, to Boston, New York, Philadel-linciunat, to Boston, New York, Philadel-tic Company of the Company of the Company tough service of Philman Tourist Sleepers, tiles personally conducted by a Southern Pa-mpiove.

RICHARD GRAY, Gen'l Traffic Manager.

A. N. TOWNE, Gen'l Manager.

SANTA FE MAKES, FIGUR 12 TO 24

ROUTE. About Hiver and all Eastern points, will run tourist excursions very Funcada, under the management of Clarence A. Warner, formerly of Warner Brox. Excursion Agency. Tourist eleeper excursion are under the personal charge of an experienced imanager, and a Pullman porter accompanies each car. For further information aparts of the Committee of

for Erchange.

NEW SUITS

Jesse Avise, Jr., to foreclose a mort-

gage securing a promissory note for

ment for back rent now due, amount

EAST SIDE

The evangelist Rev. Mr. Crawford

wood.

Riverside.

g. cao. 332, 334, and 3368, Spring TY, OFFER SPECIAL BARGAINS IN ladden set of the committee of the committee

med Rice's

Wed Rice's

he must sell to him who white to buy, po the must sell to him who white to buy, po the for white we get and selling for cash on ling this we have built up a great busine must have given satisfaction or it won we grown so rapidly. We are now must ve grown so rapidly. We are now must cheld to some lines and must unload; we chelded bargains.

For Sale.

For Sale-Miscellaneous.

FOR SALE-ELEGANT LOW PHAE-

FOUND-CAME TO OUR PLACE, a cyperises. Ramona Wilery, GEORGE BATZ & CG., Ramona, Shorb's Station.

Straped or Stolen.

STRAYED—TAKEN UP AT MY Dranch, 2 mlies southwest of Park Station, I hay mare, 13 years old, and white face; owner can have same by paying damages and proving prop-erty. P. McANANY.

Unclassified.

HIGHEST PRICES PAID FOR OLD gold and silver at JEWELRY FACTORY

absolute guarantee, at 50 cents and \$1 a box, by SALE & OFF, (two stores) 120 South Spring

street, between Second and Third, 270 South

Gold Discovered.

Money for useful holiday Presents. I will paper your house or parlors, at one-half the usual price. Gold paper 10 cents a roll at BAUER'S, 146 South Spring street.

NOTICE TO PROPERTY-OWNERS OF

Sixth street, from Pearl to Alameda streets

and Dav es street, from Second street to Santa Fé avenue: Your assessment for epen-

ing said streets will become delinquent if not paid to the Street Superintendent before 5 of clock p.m., January 3, 1800. A. W. Barrett, N. E. Davisson, John Mollmoll, Commission-

PROF. KUTNER'S SPECIAL CLASSES I

CONSULT Mrs. Dr. Wells, the Los Angele specialist, for female diseases. 402 Fouth For

WHY SUPPER FROM A COLD, [when Am

BE SURE YOU TRY the "Eagle Brand" Dysters and compare with all others.

GRANULA, the great health food, for

A Terrible Mistake

A Terrible Mistake

Is being made by some of our prominent business men, who think that, as business is dull, they ought to charge their customers more to make up for the lack of trade. We believe that by getting our goods direct, paying cash for them, selling them at a small profit and selling plenty of thom, that we will not only keep aur customers, but steadily gain more. We quote a few prices: Eastern ham, 180; plento hams, 180; bordless ham, 180; plento hams, 180; bordless ham, 180; plento hams, 180; belless the selling of the selling hams, 180; plento hams, 180; belless ham to be the butter from 180; up; dried peaches 4 ibs. for 250; GOLDEN RULLE PRODUCK COMPANY, man store, 3 South Main street, telephone 88; branch, 184 west First street, telephone 88; branch, 184 west First street, telephone 88.

nch. 134 West First street, te MORLEY, Proprietor.

Are You Hunting a Farm'r

If you are investigate the Anaheim Home seat tract. Choice a pricultural lands, plent; f water, adjoining Anaheim, one hour from os Angeles; \$50 to \$60 per acre; parcels thit; easy terms... STANTON & CO., ...12 Sout

\$30 to \$60 Per Acre For choice agricultural lands, one-half mile from village of 2500 people, 22 miles from Los Angeles. Abundance of water; adjoins some of the finest orange groves in the State Leel at this before you buy. STANTON & CO., 12 South Fort street.

Removal Notice.

The office of the Al Well tract has been removed to 205 North Main street, where I sha be pleased to give any desired informatio about the property. RICHARD ALTSCHUI sole agent.

Removed Removed!
141 South Spring. Mrs. Dosch has open finest millinery store in the city, whe will be pleased to see her old custome at cut in prices to close out winter store.

A Useful Holiday Present.

om husband to wife, mother to daughter brother to sister—the Taylor Adjustable oe. Office and salesroom, 29½ South Spring reet, room 6.

Xmas and New Year's Cifts. urray & Co., 44 South Main st., have ju-sived a consignment of elegant basks taining one pound of very fine Japan To

R. B. Young,
The architect, can now be found in his new
and more commodious quarters. In the California Bank building, corner Second and Fort

Butter, 35 and 40c a Roll

forrison Bros. grocery, Third and Fort si

White & Townsend, 41 South Spring street objects to being confounded with the Dr. White who has been so vigorously prosecuted for practiciting Dentistry without license. Dr. J. M. White has been in practice here since 1883 and was one among the first to comply with the law.

THE WINTER TERM of the Occident

CALIFORNIA PHARMACY. SE. cor. Mair

BEAUTIFUL (HRISTMAS PRESENTS in rreat variety at Conradi's Jewelry Store, No. 1 North Spring street. SHERWIN - WILLIAMS house and fi

FINE WATCHES AND DIAMONDS at conradi's No. 21 North Spring street.

th streets. Tourists' requisites. Pre-ns prepared at all hours, day and night

leademy will commence at the Occide Iniversity, Boyle Heights, instead of Frand avenue, Thursday, January 2, 1890, noreased facilities and reduced terms.

DR. J. M. WHITE, of the Dental firm of White & Townsend, 41 South Spring street ob-

Spring street, corner Fourth street.

FROVR, CHIMNEY SWEEPER Requena st., Los Angeles, Cal. P.O.

only remedy ever discovered to give diate relief and a permanent cure to all

best make, equal to new; lady will Address P 16, TIMES OFFICE. 2 Lost and found.

328, 330, 332, 384 & 336 S.

For Sale. For Sale-Houses.

FOR SALE.

CHOICE INVESTMENTS.

fine residence of 18 rooms and a good 5-rooms and

80 feet on Los Angeles st., near Fifth, at \$150: A fine let on E. Third st, 40x140, and alley street graded; \$1950.

ONE OF THE CHEAPEST.

Lot 50x 160, and small house in the rear; between Main and Grand ava; good soil; he mud;
\$1300.

FOR EXCHANGE.

A good lot on Main st., between Fifth and Sixth, for a good residence lot on Main, Grand ave. or Figueros st.

J. C. OLIVER, Notary Public, 5 S. Fort st FOR SALE - ONE OF THE BEST

TOR SALE — ONE OF FIRE BOST I built and most convenient 10-room houses you swar as w for the nicesy; it has a collar and a good brick foundation, E frequence, 6 large bay winder, lice and the state of PORSALE-HOUSE AND LOT, WITH hedge and trees, finest location, on Montrea lot 40x140; \$2800; also the lot southeast cor of Pearl and Alpine sts., 90x110, \$3300. Ap to OWNER, 217 Montreal st. 2

OR SALE-CHEAP, OR WILLRENT L for one year, modern 2-story, 8-room house located between Grand and Figueroa sta, one block from Adams, Call on or address 100 W. MONTAGUE ST.

FOR SALE-A 5-ROOM HOUSE AND LOIS SALE—A 5-ROUGH LAND, roses, flowers and barn, with yard, lawn, roses, flowers and shade trees, high and dry. 1405 Temple at.; gilt edge bargain, one-fifth cash, balance to suit purchaser, by OWNER, 54 Rosas at. F. Nies. COR SALE-OR EXCHANGE, AT A bargain, 2-story, 8 rooms and bath, on Temple t, close to Port at; part trade. H. P. ERNST 3 W. First st.

FOR SALE—THREE LOTS AND TWO
Demon district; very cheap. Address K; 54,
THES OFFICE.

TIMES OFFICE.

POR SALE—HOUSE OF 6 ROUMS, ON hill, near Helmont ave. Apply to N. P. CONBEY, 24 Bryson-Roubenke's block.

POR SALE—HOUSE OF 8 ROOMS and lot for \$2000, in \$15 payments R. VERCH, room \$6, Temple block. FOR SALE-HOUSES ON MONTHLY payments. C. B. HOLMES, 9 N. Main st.

For Sale-City Property.

FOR SALE-120 FEET FRONT BY 250 t deep, on beautiful West Adams st.; now sell this fine lot for just about half price by 188 feet on same street and only a few rom St. James Park; if yon want a lot or it street in the city and at a bargain see us. MILLER & HERRIOTT, 34 N. Spring

10 MONTHLY, NO CASH PAY The ment, choice lots, cleas in, central; city rates; prices, \$300, 480, 850; formerly sold for 1909; secure cheap home and save rent; no eportunity ever offered like this. POLHAUS & MITH, 28 N. Spring st., room 4.

FOR AN INVESTMENT BY ONE sharp symmens purposes of the sharp symmens to previously symmens. single payment or periodical payments, pur-e the installment bond, E. E. SWANTON, t, room No. 2, 129% W. First. NAP: CLEAN 60 FEET ON

2000-LOT 22, LONGSTREET MEADOWS, 108 W. First at

For Sale-Country Property.

RAZING LANDS IN VENTURA
Tounty. We are offering fine stock ranges,
th abundant fred and water and a good properno of farming land, at prices from \$2.50 to \$15.
acre; no other land in the State of as good
ality can be bought at such prices; these lands
rent readily for cash, and at our prices we
re a safe and profitable investment. LAND & WATER CO., 25 W. Second St., L. A. \$2000 SALE OR EXCHANGE

Offinal View" foothill ranch; 80 tillable, 28 cultivated; vines and fruit mall house; 12,000-galion cement cisters; 10,1200 feet; warm belt; good road; 12 miles & Angeles, 10 from Santa Monica; tille, tient; terms satisfactory, 20 PHILLIPS BLOCK

FOR SALE — CHOICE FARM PROP. I etty, in tracts of 5 to 40 acres each, on line of new Redondo Railway, about 4 miles east of Redondo Beach, the probable terminus of the Union Praclife Railway; long time and easy payments to actual settlers. Call on or address UNION LOAN AND TRUEST COMPANY, room 10, Faililp

\$500 WILL BUY 18. ACRES FINE

TOR SALE—THINK OF THIS: TEN acres \$800, on the line of Redondo Beach Rail-road and only 2 miles from the beach and the terminus of the Union Pacific Railroad; terms easy; this is a good nest-egg. MILLEIK & HER-RIOTT, 54 N. Spring str.

TOR SALE—17.800 ACRES—OF FINE ranch lands, suitable to divide: 60 miles of ds, suitable to divide; 60 miles o s, house, etc.; good grape, olive an well watered; near Los Olivos, Santi aty, Cal. J. W. CALKINS, Santi 1-16

FOR SALE-20 ACRES IN CENTER OF Duarte, with 6-room house; 10 acres in orange ricot, Fronch prune and other trees, mostly in il bearing; 17 shares of water; \$7500, easy terms UDDY & BURNS, 34 N. Spring st.

FOR SALE—2500 ACRES ADJOINING Anaholm, 22 miles from Los Angeles; abun-dance of water; adapted to general agricultural purposes; \$30 to \$60 per acre; on easy terms. STANTON & CO., 12 S. Fort st.

FOR SALE - IMPROVED 40-ACR fence taken for part, or undivided interest regist party. S. B. GORDON, Bryson-Bonebral FOR SALE — AT A SACRIFICE beautiful 214 acres in Ivanhoe, close to station; worth \$1200, for \$500; open for three days R. F. ERN\$17, 263 W. First st.

F. ERNST, 203 W. First al.

FOR SALE—10 ACKES FINE ORANGE
land at Covina; \$160 per acre with water
right. POHLHAUS & SMITH, No. 28 N. Spring OR SALE—FINE WHEAT LAND IN Antelope Valley, \$6 to \$10 per acre. POHL-HAUS & SMITH, 28 N. Spring st., room 4. FOR SALE-5 ACRES, IMPROVED,
Albambra Address Box 194, ALHAMBRA.

am, a pair of the best matched Hamiltonia e State: 16 hands high large and rangy old; gentle, sound and kind, like all Han noted for their fine disposition; we e carriage and harbess and blankets m

P. SALE—CHEAP, A FINE ROAD-or, gentle and kind; also a surrey. Address E. FIRST ST., Boyle Heights.

R SALE - CHEAP, YOUNG PAR-SALE-REGISTERED JERSEY

SALE—CHEAP, THE FURNISH and lease of a 11-room house, centrally the service of th A ROBBINS, D N. Main et 11 Children Cry for Pitcher's Castoria.

328, 330, 332, 334 & 330 S. Spring.

Los ANGELES, DEC. 20,—AS THE
Les receives the floods of water, so Red Rice's
and the sea returns the water in household
goods; as the sea returns the water in the furnituge and household goods by team and train
throughout the hand. Our stock is great; we get
everything wanted by you; sooner or later every
thing comes to us, which we in turn are glad to
sell to you after allowing for ourselves a small
that we deal allowing for ourselves a small
that we deal fails with two we pride and boast
our services as a medium for transferring from
him who must sell to him who where to hup, pay-THE TRIAL OF D. A. McDOU. GALD'S DAMAGE SUIT.

The Prosecution Anxious to Find Out How Much Maj. Bonebrake is Worth-A Newspaper Reporter on the Stand-Testimony of the Defense.

The trial of the \$50,000 damage suit FOR SALE-SET OF BOOKS SHOW-PARGAINS—IN NEW AND SECOND-hand planes and organs at STEEN'S music store, 231 S. Spring st.; some used, but little, but good as new, at creatly reduced prices. 1-28 DINE-APPLES-PARTIES INTENDthem; we intend to close out at once. M. J. THOMPSON, Agent, 129 S. Main St., at E. Du-FOR SALE-7-HORSE POWER OTTO gas engine and pump combined; guaranteed in perfect order; will sell low, with or without pump RANER IRON WORKS. City Jail for about an hour, after going with a special deputy sheriff to Elsinore to see his wife about the matter.

RAKER IRON WORKS.

POR SALE—FURNITURE OF 4-ROOM
Office of the control of the cont TOR SALE-HOUSE OF 7 ROOMS
for rent with complete furnishing for sale, on
S. Ohve St., close in. C., 19 BUILDICK BLOCK.1 yesterday morning his cross-examina-tion by Col. Wells was concluded. Nothing especially new was elicited from him, in addition to his statements upon direct examination, he denying FOUND—A SATCHEL, CONTAINING a purse and small amount of money, in front of Mott's Market. Inquire of N. MONTGOMERY, curner Thornton and Bryant ave. that he had any knowledge whatsoever about the failure of the Canada bank

ing, and recovering his self-control told the story of his troubles and it was published the next morning. Upon cross-examination the witness created considerable merriment by his answer to the questions put by Col. Wells, who attempted to rattle him, without suc

"State, Mr. Bonebrake, what you are worth at this time," asked Mr. White. Mr. Wells: That is not admissible in

White cited authorities in sup-

the defendant has nothing to do with the case.

Mr. Gardiner: Because a man of wealth has a man locked up does not make the punishment any more humlisting. The only damages asked in this case are to name, fame, reputation and business.

The Court overruled the objection and told the witness to answer the question.

Maj. Bonebrake: It is a difficult question to answer. I should say not less than \$250,000, probably a great deal more.

The plaintiff's counsel then offered in evidence a pile of books from the hank in which were ambraced all the bank in which were ambraced all the latter than the state of the country of 13 days. They are intending to stay the winter and are

less than \$200,000, probably a great deal more.

The plaintiff's counsel then offered in evidence a pile of books from the bank in which were ambraced all the transaction, showing the payment of the draft, its final payment and the attorneys' and notarial fees charged and paid in its collection.

in evidence a pile of books from the bank in which were embraced all the bank in which were embraced all the transaction, showing the payment of the draft, its final payment and the attorneys' and notarial fees charged and paid in its collection.

Maj. Bonebrake stated that no account was opened with Mr. Mc. Dougald by the bank, but afterward modified his statement, showing the checks drawn by McDougald and their entry on the book of individual accounts. He was not cross-examined by the defense, and will go upon the stand later for direct examination by the defense.

F. C. Howes, cashier of the bank and also a defendant, was also put on the stand by the plaintiff and shown the certified check, stating that it was in Mr. Vickery's handwriting—the paying teller.

Ex-Sheriff J. C. Kays testified that

Ex-Sheriff J. C. Rays testined that in December, 1887, he was Sheriff of Los Angeles county. He appointed Van Luven a special deputy in December, at the request of Chief of Police P. M. Darcey. Neither Maj. Bonebrake nor F. C. Howes were seen in connection with the appointment. The witness did not know whether they knew about it or not.

witness did not know whether they knew about it or not.

W. F. Baird of Elsinore, now cashier, but then assistant cashier, of the Exchange Bank of Elsinore in 1887, testifed as follows: "Mr. McDougald came into the bank November 27, 1887, with a draft for \$500 on the Importers and Traders' Bank of New York, by the Central Bank of Canada. It was a business transaction. McDougald paid tin a land transaction. We sent the draft to the Chase Bank of New York, and payment was refused."

Mr. White objected to this line of questions.

to show by the witness the guilty knowledge of the plaintiff in the mat-ter of the failure of the Canada Bank.

The Court allowed the question, and the witness said that McDougald, havting left Elsinore, the bank tried to find him and could not. The witness went to Santa Ana and found him there, telling him the draft had been dishonored. He said he had no money to meet the draft. He refused to give him a bill of sale for his restaurant. and the witness threatened to have the sale of the land at Elsinore set aside, as it was a fraudulent transaction. as it was a fraudulent transaction. The fwitness saw him afterward at Elsinore, possibly a month after, and he positively refused to settle the matter. It was finally settled by the bank taking the property, a house and lot at Elsinore. McDougald left Elsinore in a few days, possibly two weeks after that.

The witness remembered a conversa

THE RUNAWAYS.

the checks which were drawn on the \$1500 draft by Mr. McDougald, explaining the seeming presence of a check in excess of the amount mentioned, as being simply a duplicate for reference.

The court adjourned at this point until Thursday morning; when the case will be resumed. ACK DAY AND EVA PARKIN BROUGHT BACK.

The Girl Says She Went Away o Her Own Free Will and the Gay J. A. Graham brought suit against Lothario Seems Proud of His

Detective Bosqui arrived from San The Southern California Insurance Company began suit against J. P. Bohannan, et al., on a promissory note for \$2000; also against Capt. William Smith, et al., upon a promissory note for \$3000; also against Samuel A. Overholtzer, et al., on a promissory note for \$5000; also against C. N. Wilson, et al., on a promissory note for \$3000, praying for a foreclosure of mortgage in each case. The Southern California Insurance back with the officer without any Suit was begun by W. A. Ray against the & Pasadena Library and Village Improvement Society to recover judgtrouble, and on their arrival here were taken to the City Prison, where they were locked up, and the parents of the girl notified. The girl Eva Parkins was seen by a

ment for back rent now due, amounting to \$600.

A damage suit was begun by Mrs. C.

A. Fox against the Southern Pacific Company for \$10,000 for injuries received. The complaint alleges that September 14, 1899, the plaintiff was a passenger between Downey and Los Angeles; that the train arrived at the Los Angeles depot, and the plaintiff was informed by defendant that it had arrived. She proceeded to get off the cars and the train started up, she falling to the ground, dislocating her right hip, and the olecrano process of the lother and her sixth rib, and inflicting permanent injury to her right hip, and the olecrano process of the ulnar of the right am was fractured, and her nervous system was severely shocked.

Suit was begun by L. S. Seaman vs. Suit was begun by L. S. Seaman vs. M. N. Myrick on a promissory note for Bernardino. She said that she ex-pected Day would marry her or she would not have gone off with him, and that they intended to go from San Ber-S. A. Garrett began suit against H. S. Clement, constable, for the recovery of the possession of personal property attached for \$1000, and \$500 damages. nardino to San Francisco, from which place they expected to go to Chicago, where Day formerly lived. She said that she wanted to see her father and mother, but did not seem to be at all ashamed of what she had done, rather Good Batch of News Notes and J. H. Dague and wife of Lima, O., who spent last winter in East Los An-

ashamed of what she had done, rather evincing a disposition to stand by Day. After the girl had been questioned and sent back to her cell, Day was brought into the Chief's office, where he was questioned at some length. Day is a smug-faced, stocky-built young man of medium height, with light hair and a straw-colored mustache, and appeared to be plentifully endowed with that characteristic known as gall or cheek. He appeared to be rather proud than otherwise of his conquest, insisted that he intended marrying the girl, and said that he thought even geles, arrived last night on the over-land train of the Southern Pacific Railroad, and are now guests of the Gienarrived at the Glanwood yesterday morning, for a short stay with his family before returning to his labors at Messrs. Conant & Hamer of Sierra Madre drove into the city by the way of Garvanza yesterday, and report the little city on the footbills as beautiful as ever.
Gelcich G.A.R. Post No. 106 and the
Gelcich W.R.C. will have a public installation of officers next Friday evening, at Moore's Hall, East Los Ange-

proud than otherwise of his conquest, insisted that he intended marrying the girl, and said that he thought even more of her now than he did before he rap away. He stated that he had lived next door to Mr. Parkins, and had known the girl for three or four months, but frankly confessed that the Parkins family had no use for him, and for this reason said that he had run off with her. He was willing, he said, to do anything to straighten matters out, and declared that he would marry the girl at once, if he had a chance. In regard to the wagon, he said that he considered that he had bought it of De Turk, having paid \$18 of the purchase money, which was \$60 in all, and thought that he had a right to sell it. He did not appear to be at all worried about his awkward predicament, saying that he thought he could manage matters if he could repay the stable man the money he had got from him, and did not appear to have any fears about arranging matters so that he could marry the girl. He said that he had but about \$45 when he left Los Angeles, all of the had spont but \$21.60, which there did almost exactly with what it the officers found out after his departure.

The girl's father was notified of her

The girl's father was notified of her arrival, and she was taken home, but Day spent the night in the City Prison. His case will prebably come up tomor-row, on the charge of obtaining money under false pretenses, the complaint to that effect having been sworn out by

the livery stable man to whom he sold

An adjourned meeting of the County Supervisors, the City Council and the Chamber of Commerce was held yes-

terday afternoon at 4 o'clock, Supervisor Perry in the chair. The meeting was for the purpose of receiving the was for the purpose of receiving the report of the Committee on the Coming of the Union Pacific. The committee not being ready to report, the chair called for report from a committee from san Pedro. The chairman of that committee rose and stated that at a meeting held in San Pedro Monday night last the city authorities ex-

marriage as yet has not appeared. No cards.

THE LOS ANGELES STREETS.

A Couple of Tecoma Gentlemon in Love With This City.

Day before yesterday C. O. Peas, City Surveyor, and J. P. Hodgins, Street Commissioner of Tacoma, Wash., arrived in this city. They were sent out a few weeks ago by the city of Tacoma to examine the improvements of the large cities on the coast. They have visited San Francisco, Oakland and several other places, and declare that Los Angeles, in the way of pavements and other improvements, is far from San Pedro Monday night last the city authorities expressed themselves as ready to give water-front rights to any new railroad that will come to San Pedro making eastern connections.

Another member of the committee that he represented the owners of a large tract of land who are willing to sell their land at a low figure.

Mr. Sepulveda stated that he owns considerable land, and will not only give a right of way, but will also give land for roundhouses and depots.

The propositions from San Pedro Monday night last the city authorities expressed themselves as ready to give water-front rights to any new railroad that will come to San Pedro making eastern connections.

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Another member of the committee sex ready to give water-front rights to any new railroad that will come to San Pedro making eastern connections. ments and other improvements, is far ahead of any city on the coast. The gentlemen were surprised to find this city in such a prosperous condition, for they were given to understand up north that Los Angeles is dead.

A. Break for Liberty.

Three men, named Ed Young, John Smith and George Durane, working on the county chain gang, made their escape yesterday morning. The men were serying terms for vagranes, which would have expired Friday, but the

here.
Mr. Eaton offered a resolution approving the action by the San Pedropeople. It was unanimously adopted.
On motion the committee from Sar Pedro was requested to put its offers in writing and send to the standing committee. Capt. Barrett moved that the Super

NEW YEAR'S CALLS.

ladies Who Will Receive Friends The following is a list of ladies who

will receive today:
Mrs. A. J. Lechler, assisted by Mrs.
Charles C. L. Leslie, Miss Belle Leslie,
Miss Yarnell and Miss Kate Yarnell,
from 2 till 5 and 7 to 10 p.m., at 208 South Hill street.

The ladies will receive at Y.M.I.
Hall, No. 17 North Main street, from

2 to 5 p.m.

The Morris Vineyard W.C.T.U. will receive calls at their free reading-room

from 3 to 9 p.m.

Mrs. Dr. J. H. Bryant will receive at her residence, 501 Pearl street, from 2 to 6 p.m., assisted by Mrs. Dr. Hagan, Mrs. Babcock, the Misses Embody and

Mrs. Andrew Mullen and daughter and Mrs. E. F. Mullen, Grand avenue, south of Seville street, will receive

south of Seville street, will receive New Year's callers.
Mrs. J. J. Woodworth will receive from 1 to 7 p.m., at her home, 1039 South Hill street, assisted by Mrs. L. F. Langtry, Mrs. C. E. de Camp and Miss Anna Smith.
Mrs. W. R. Blackman, assisted by her daughter and Mrs. Henry Dobinson, will receive between 1 and 5 p.m., at 18 Castelar street, next Temple.
At 865 West Seventh street, Mrs. E. A. Forrester and daughter, assisted by Mrs. B. Lee Vickery, Mrs. Dr. Davison, Misses Kittie Richards, Atchison, Bowers and Ransom—from 2 to 6 o'clock.

Miss Lillian Whelpley, assisted by

Miss Lillian Whelpley, assisted by Misses Belle Thomas, Rosa Horton, Lu Phillips and Nettie Kennedy, will receive their friends at No. 50 South Olive street, from 7 to 10 p.m. Mrs. G. A. Dobinson will receive at her residence, No. 123 North Hill street, from 7 to 10 p.m. The following ladies will receive friends and members of the Rosedale Social Club at its hall, 512 South Spring street, from 2:30 to 7 p.m.: Madge Eilbeck, Bertha Helmka, Lillie Arbuckle, Eugeine Stanley, Lillie Arbuckle, Eugeine Stanley, Lillie Myers, Delia and Ida Trainer, Mrs. H. G. Arbuckle and Jennie Green. The members of the C. Cooking Club

vill receive from 1:30 to 5 p.m., at the Hotel Lincoln, near the corner of Hill Hotel Lincoln, near the corner of Hill and Temple streets. The club consists of the following-named young ladies: Misses Nellie Henderson, Lizzie Rawlings, Clara Carren, Lena Forrester, Luta Jordan, Etta Hiller, Mamie Chanslor, Blanche Bonebrake, Lea Smith, Mary Brown, — Dewey, Ida Menefee, Eva Tufts, Frank Kurtz, Juanita Stout, Emma Morrison, Janet Haverman, Flora Culver and Mrs. C. J. Lehman. I. Lehman.

Haverman, Flora Culver and Mrs. C. J. Lehman.

Misses Carrie and Maggie Willhart and Miss Mary Lopez will receive callers at their residence, No. 4 Willhart street, from 7 to 9 p.m.

Mrs. George F. Hillig, assisted by Mrs. George F. Hillig, assisted by Mrs. May Leonard, will keep open house at 55 Ducommun street.

Mrs. W. D. Rogers and Mrs. R. Bilderrain, assisted by Misses Carrie and Ella Warren, Cassie and Mamie Mulrein, Nottie Freeman, Myra Starr, Josie Williams, Annie Lazzarevich and May Shimp, will receive their friends at 51 Temple street.

Mrs. May Richards, assisted by her daughter, Miss Alice, will receive at their residence, 21 Park Grove avenue, from 10:30 a.m. to 8:30 p.m.

Miss Blanche Bonebrake will receive calls at 1610 Figueroa street, assisted by Miss M. Bowen, Miss Caron, Miss D. Vickery, Miss H. Sanborn, Miss Florence Potts, Mrs. L. C. Fisher and Mrs. Frank Monroe, from 2 to 6 p.m.

Mrs. Herbert Warner will receive New Year's calls at her home, 79 Walton avenue, from 9 to 12 a.m.

Mrs. M. H. Kimball of Kimball New Year's calls at her home, 79 Walton avenue, from 9 to 12 a.m.

New Year's day.

The young ladies of the caymel Club will not receive calls today on account of the illness of one of the

account of the illness of one of the young ladies.

Mrs. S. A. Rendall, assisted by her daughter. Miss Julia, and Mrs. Cowper, Miss Anna Williams, Miss Bessie Tillotson, will receive their gentlemen friends at their residence, corner of Ninth and Alvarado streets, Bonnie Brae, from 2 to 8 p.m.

The Union League will receive its

Brae, from 2 to 8 p.m.

The Union League will receive its members and friends January 1st, from Meeting of the Joint Committee
Yesterday.

Members and friends January 1st, from 11 a.m. to 7 p.m.
Mrs. Stephen M. White, assisted by Mrs. O. W. Childs and the Misses Childs, will receive at the northeast corner of Main and Eleventh streets

SUPERVISORS.

Work of Reconstructing Bridges to Commence.

The Board of Supervisors held a ses-sion yesterday, which lasted all day, and transacted the following business and transacted the following business:
A communication was received from
T. J. Rask, superintendent of bridges,
recommending that the board advertise
for bids for materials necessary to be
used for the repairing and rebuilding
of county bridges, and that Mr. Rask,
acting in accordance with his instructions, furnish the board with plans and
attend to the purchasing of the necessary material for repairs. Approved.
The clerk was instructed to notify
Messrs. Riggs and Proctor to follow
the instructions of Mr. Rask in the repair of the Sanford Crossing bridge.
The Clerk was instructed to advertise for bids for lumber for bridge purposes free on board cars at San Pedro

poses free on board cars at San Pedro or Redondo Beach or Los Angeles, or in the yards in Los Angeles; also for bolts, nails and frons to be employed in the construction and repairs of oridges.

Dr. Wise and Messrs. Hewitt and Lichtenberger appeared before the board and argued in support of strik-ing the land of the Sixth District Agri-cultural Park Association from the

assessment roll.

On motion of Supervisor Hubbard the District Attorney was instructed to notify John Farrell that unless he inters the dead animals off San Fernando road, immediately, criminal proceedings will be commenced against him at once him at once. On motion of Supervisor Martin, the

Cierk was directed to notify the read overseer of San Gabriel road district to take gravel from the public road for private use to repair damages to land. Adjourned until Friday morning. Licensed to Marry.

Licensed to Marry.

The marriage-license mill ground merrily yesterday, the following persons having made up their milds to start upon a connubial career the first day of the new year:

Louis McGeary, aged 22, of Walla Walla, and Annie Page, aged 20, city; Fred E. Pierce, 23, and Alice M. Parmeter, 20, city; John E. Coffin, 29, and Bertha Lindley, 22, city; John D. Dunham, 24, and Louisa Corbett, 21, city; Arch Pruitt, 28, and Annie Dougherty, 25, Pasadena; Thomas F. Carter, 31, and Katie Predengast, 28, city; Eugene Carberry, 40, and Charlotte F. Fraisher, 31, city; Frank S. Helmbold, 27, and Caroline Seibert, 18, city; Fred C. Potter, 32, and Olive E. Crawford, 31, city; Mott Ferris, 20, and Minnie E. Baldwin, 17, city; Andrew J. Viele, 58, Santa Monica, and Mary Webster, 38, New York city; William F. Beeson, 30, and Mary Shannon, 25, San Francisco; Arthur Eugene Gunn, 20, and Opal Bing Turner, 17, city.

GARBAGE.

THE COUNCIL IN SPECIAL SES

City's Offal Elaborately Considered and Rejected-Petition to Pave New High Street

The City Council met in adjourned with President Frankenfield in the chair, and the following members p ent: Hamilton, Van Dusen, McLain, Summerland and Wirsching.

The special order, the garbage con-The special order, the garbage contract, was then taken up and read by the Clerk. The contract provides that the contractor shall receive the garbage at the yards of the California Southern Railroad Company, and shall receive for removing the garbage \$225 per month from the city, and \$200 per month for the first carload, and \$125 per month for each additional car. The contractor is E. W. Reed, and the contract runs for three years from the 1st of January, and is accompanied by a bond for the faithful performance of the same.

the same.

The contract was discussed at considerable length, and the various provisions considered, Councilmen Summerland, Wirsching and McLain, of the Garbage Committee, favoring the contract, and Councilman Van Dusen, speaking against it, saving it would

contract, and Councilman Van Dusen speaking against it, saying it would cost \$8000 to \$10,000 a year to take care of the garbage.

The members of the committee stated that they had done the very best they could, and Councilman Van Dusen then said that, while he did not think he would at first support the contract, he had reconsidered this determination, and, to bring it before the Council, moved that the rules in regard to printing be suspended.

gard to printing be suspended.

Councilman Summerland then explained the status of the case, and Street Superintendent Morford stated that the present cost of caring for garbage was \$30 per day.

Councilman Hamilton said that the present cost of caring fer garbage was about \$18,000 per year, and Council-man Summerland said that the actual

man summer and said teat that the actual increase was \$361 per month.

Councilman Hamilton said he should vote against the contract, as it took the garbage entirely too near the Sixth Ward. Councilman McLain said that the

matter had to be attended to at once, whether cars were provided or not. The Clerk, after some further discussion, read the bond, the sureties obligating themselves in the sum of \$6000, which had been approved by the City Attorney as to form.

On motion, the bond was then approved, after which a recess for 10

minutes was taken to enable the officer to look up absent members.

Councilman Shafer was found, and came into the Council, when the Council was called to order, and Conneilman Hamilton moved as a substitute

that garbage wagons be dispensed with and arrangements be made with Mr. Reed for a dumping ground. This motion failed for want of a sec-

ond, when Councilman Van Dusen's motion that the contract be approved and the Mayor be instructed to sign on behalf of the city, was taken up, and, after the reading of the contract for the benefit of Councilman Shafer, a vote was taken, resulting in 5 ayes and 2 nays, the motion failing for want of a two-thirds vote.

Councilman Summerland - then moved that the Garbage Committee be by a vote of 4 to 3.

by a vote of 1 to 3.

Councilman McLain presented a petition from the property-owners on New High street, asking that that street be paved, which was referred to the Board of Public Works.

Councilman Wirsching moved that the City Engineer be instructed to prepare plans and specifications for a levee on the east bank of the river, between Aliso street and the covered

tween Aliso street and the covered bridge, which motion was carried.
On motion, the Clerk was instructed to return all moneys and papers belonging to Mr. Reed, and the Clerk was instructed to advertise for bids for caring for the garbage. Adjourned.

SAN PEDRO

ents to the New

Shipping News.
San Pedro, Dec. 31.—[Correspondence of THE TIMES.] A large and enthusiastic meeting of the citizens was held here last night, the object bewas held here last night, the object beng to offer inducements to the Santa Fé Railroad to extend its line to this place. Mr. Haslip, who is one of the three parties holding a bond on Timms's Point, pledges himself and parties for a subscription of \$15,006 cash, and the heirs of the Sepulveda estate offer a right of way through their lands and a donation of land sufficient for shops, roundhouses, switches, etc.

switches, etc.

The Board of Trustees was author-The Board of Trustees was authorized to grant it the right of way through the streets of the town. A committee of three consisting of Messrs Sepulveda, Haslip and Webster was appointed to go to Los Angeles today and present the matter before the Chamber of Commerce.

matter before the Chamber of Commerce.

During the past 24 hours three new schooners laden with lumber have arrived, and the sidetracks are literally crowded with dars loaded and in process of loading with lumber.

Intelligence was received yesterday that the railroad company had signed charters for 40,000 tons of coal to be shipped at once from Australia, so that we may expect from 20 to 25 deep sea vessels between now and March.

Got What He Deserved. Late vesterday afternoon M. J. Al wens, who lives at the corner of Seventh wens, who lives at the corner of Seventh and Main streets, came to the police station to see if a complaint had been sworn out against him for battery, be a man named Joseph Lenhardt. Mr Alwens stated that Lenhardt had been insulting his wife and other ladies in the building, by conducting himself in a vulgar and obscene manner, and that yesterday afternoon, his conduct had become so unbearable that he had given him a beating, whereupon he had threatened to have him arrested, and he came to give himself up. Lenhardt had been to the station, but did not get a complaint. If the facts are as alleged by Alwens, Lenhardt only got what he deserved.

Battered a Chinaman Last night between 8 and 9 o'clock, while a big gang of hoodlums were making night hideous on Upper Main street, a Chinaman happened to pass by, when they made a dead set at him, blowing horns and howling, almost frightening the heathen out of his wits. He attempted to make his escape, when a man named Frank Carr knocked him down. Detective Bosqui, who happened to see the affair, placed Carr under arrest, and escorted him to the station, followed by a large crowd of men and boys, blowing horns and shouting. Carr was locked up on a charge of battery. Last night between 8 and 9 o'clock,

For Sale-Live Stock

SALE - ELEGANT MATCHED ; a lady can drive them; can be driven by to JOHN C. BELL, office No. 160 S. Lo

OR SALE — FINE HORSES FOR sale, Pond Lily, record 2:29½, in foal to Alzar, price \$1000. Lady Hannis, record, 2:48½, foal ic Harvester, \$1500. Zeela H. 3.9ar.old, by namboul out of Blonde. J. B. MASON, No. 12

GO TO HARRY STREEB's for a first-class for shave. 17% West First street. OR SALE-OR EXCHANGE, ONE young Jersey bull and two milch cows. Cor-ABARS AND SAN PEDRO STS. SHERWIN - WILLIAMS house and floor Paints. P. H. Mathews, corner Second and Main streets. OUGHT AND SOLD—GOOD HORSES, carriages and harness, by C. H. AUSTIN, at lite's livery stable, 30 S. Fort at. R. D. List. Notary Public. Legal papers carefully drawn. 18 S. Spring. Depositions taken.

F. F. MOREHOUSE, Jobber, Carponter, 116 S. Spring street. Telephone 341. See Wood, Iron and Slate Mantels and TilTHE COURTS.

brought against Maj. George H. Bone-brake and F. C. Howes by D. A. Mc-Dougald was resumed again yesterday morning, and occupied the attention of Judge Wade during the day. Mc-Dougald, it will be remembered, presented a \$1500 draft at the Los Angeles National Bank December 2, 1887, which was cashed; and it was learned a few hours later that the Central Bank at Sante St. Marie, Canada, which drew the draft, had failed several days before. The bank officials, believing that Mr. McDougald had guilty knowledge of the failure, insisted upon re-payment, and he was detained in the

and not obtaining the money.

Mr. McDougald told his story of his arrest and imprisonment when the case was on a day or two since, and

before his drafts were cashed.
W. G. Taylor of the Times staff was the next witness, and testified to hav-ing an interview with McDougald while in the city jail. He was not permitted to go into the room in which McDougald was detained, and spoke to him through the window. When he first spoke to him McDougald was cry-

At the afternoon session the plain-tiff's counsel put Maj. Bonebrake on the stand as their own witness to ex-amine him in regard to his possessions and the books of the bank.

actions of this kind, your Honor. We port of his question, giving a recent decision, stating that the testimony is proper for a gradation of damages.

Mr. Wells argued that the wealth of the defendant has nothing to do with

tand by the plaintiff and shown theertified check, stating that it was in
Mr. Vickery's handwriting—the payng teller.

Ex-Sheriff J. C. Kays testified that
n December, 1887, he was Sheriff of
Los Angeles county. He appointed
Van Luven a special deputy in Deember, at the request of Chief of Poice P. M. Darcey. Neither Maj. Boneranke nor F. C. Howes were seen in
connection with the appointment. The
witness did not know whether they
knew about it or not.

W. F. Baird of Elsinore, now cashier,
but then assistant cashier, of the Exchange Bank of Elsinore in 1887, testided as follows: "Mr. McDougald came
into the bank November 27, 1887, with

questions.

Mr. Wells stated that they expected

tion at Eisinore with McDougaid, in which the latter said he did not care much about the case, but he wanted to worry Bonebrake. McDougaid said at Santa Ana that the money was partly his wife's and partly his cousin's (McCallum)

Satir Ana that the money was partly his wite's and partly his cousin's (McCallum).

On cross-examination the witness said that he sent the \$500 draft to New York at once, November 26, 1887, and heard from it by mail in about two weeks. A dispatch was received that the draft was dishonored, about one week after it was cashed. The witness could not say how long after that McCallum over the dispatch was received that the dispatch was received. His trip to Santa Ana was early in January; that was the first time he saw McDougald personally after the draft was dishonored.

A telegram from Ontario, received since the trial began, and showing that the Central Bank failed about November 15th, was read and introduced in evidence, both sides consenting.

Mr. Vickery, telier-of the Los Angeles National Bank, testified as to

ments and other improvements, is far ahead of any city on the coast. The gentlemen were surprised to find this city in such a prosperous condition, for they were given to understand up north that Los Augeles is dead.

escape yesterday morning. The men were serving terms for vagranes, which would have expired Friday, but the prospect of two days' additional work was too much for them, and they skipped. The gang was at work on the old Pasadena road, when the men, two of whom had on balls and chains, made their escape. Sheriff Aguirre at once sent out several deputies to look for them, and during the afternoon Durane was captured and brought back to the jail. The other two men have not yet been caught, but, as they were headed for Pasadena when last seen, and still had on their shackles, it is not believed that they can escape.

It is to be reasonably expected that the Dunkird colony at Lordsburg will set us an example of good farming. set us an example of good farming. Their neable thrift and prosperity has not been attained except by the best method, and they will certainly continue if their new home the practices which have characterized them in the old. Not but what we have good farmers here now, but we have at the same time some careless ones, who will be profted by so good an example as the Dunkards are sure to set.

Now that the rain is over, it is at this writing, and it is assumed it may this writing, and it is assumed it may continue so, the work of farming should be prosecuted rapidly. The ground hardens faster than would be realized without experience, and cultivating, to be easy, should not be long delayed. Some grounds will be hard and difficult to work within a week after a rain, and the result of cultivating hard ground is big lumps and a poor job generally. Tree-planting cannot be done too soon. Every day now is valuable time to the tree.

As To crops, every farmer should grow all kinds of products for his own use. That is, all kinds of fruits and vegetables at least, for however poorly suited the locality may be for it, it is better to raise for your own consumption, even under considerable disadvantages, than to buy; for buying takes ready cash, while growing is the result of a little personal effort, and as to whatever is procured by personal effort there is no such thing as good times or hard times. Money is always liable to be scarce, and whatever comforts depend upon it will be scarce also; but whatever can be procured by one's own exertions knows no such contingency. This is the reason farmers can always live well, while the city man is liable to short commons from a failure of his salary. use. That is, all kinds of fruits and

FARMERS would do well to keep accounts of their business more than they do. An accurate knowledge of it is thereby gained that is not likely otherwise to be had, and they are thereby enabled to know whether or not a thing pays, and, if not, to correct the evil. Besides, a more systematic method of management and a more zealous prosecution of it is likely to come from this careful watching of results. Wherever a farmer is keeping an account of his business, the probability is that it pays him. Not that the book-keeping in itself makes any more or less of the dollar that is so recorded, but the very fact that it is recorded calls it so vividly to the attention of the owner that he is likely to stop it, if going the wrong way, or increase it, if in the right direction. counts of their business more than

men in it. United States Circuit
Judge Ross is an orange-grower at
Glendale; also Capt. Thom, ex-Mayor
and District Attorney; ex-Postmaster
H. K. W. Bent is rusticating on the
highlands of Pasadena; Sheriff Billy
Rowlands had cattle on a thousand
hills at Puente; and Assessor Mason
raises other things as well as assessments on his ranch at Fulton Wells;
Hon. Abbot Kinney is a most successful horticulturist at Kinneyloa, and
United States Marshal Gard does the
same at Alosta; Banker Swartwout of
the Pasadena National has abandoned the "scales and scoop"
for the plowshare beyond Newhall.
In short, so ardently have Los Angeles'
public men devoted themselves to that
which Washington eulogized as "the
first, the noblest and the most useful
employment of man," that Frank
Ganahl, a brilliant lawyer of the early
days, characterized them as the
"Princes of Orange," and that happy
saying was the most noted of all the
discussion that attended the advoit of
the Southern Pacific Railroad into Los
Angeles county.

easily handled, picking easier—being
larger and firmer—and keeping better.
But the time when Californians will
have any guavas for jelly is a long
ways off; for when she raises ten times
amay as now the local market will
still take them all.

Keep the Gums Healthy
frow want a sweet mouth and breath. If
the gums become spongy, they lose their
power to hold the teeth. The use of SOZODONT is invaluable because it removes the
attar which separates the teeth and gums.

Children Cry for Pitcher's Castoria.

DY

HITE,

VUNG IN
Who suffer from the terrible effects of youthful follies, such as Mental Debliity, Depression of Spirita,
Gloominess, Love of Solitude, Despondency Timidity, Berpession of Spirita,
Gloominess, Love of Solitude, Despondency Timidity, Berpession of Spirita,
Gloominess, Love of Solitude, Despondency Timidity, Berpession of Spirita,
Gloominess, Love of Solitude, Despondency Timidity, Berpession of Spirita,
Gloominess, Love of Solitude, Despondency Timidity, Berpession o Angeles county.

THE ORCHARD.

THE desirability of early planting of deciduous trees is shown by the number of new roots they have already put out. Mursery men in digging them up to "heel" in find them already bristling with fine fibrous roots, which is so much growth lost for every day it goes on before planting.

The falling of oranges is noted with much regret by the owners. They drop very extensively, and all show a bruised apot on one side. It appears to be the result of the high winds some time ago which chafed and bruised the fruit, causing premature ripening—hence

the falling. In some orchards it is estimated that as much as a third of the crop has thus fallen.

No good fruit-grower has failed to make money in this country, and great fortunes are in many instances growing up out of it. What better business success can be achieved than that of Ellwood Cooper of Santa Barbara, or of the 'owners of some of our best orange orchards? And all was started with little capital, so far as cash goes, being mostly the result of well-directed, individual effort. The same achievement is within the reach of any ablebodied, sensible young man with a few hundred dollars today.

ORCHARDISTS need not necessarily sell their fruit to reap a profit from its growing, for the supplying even of their own consumption is so important a matter as to be well worth the trouble of cultivation. Every family will spend a good deal of money for fruit if it buys what it ought to have, and the cost of this can scarcely be less than \$150 a year; certainly much more for people of liberal means. This, then, is 10 per cent. interest on \$1500, which would be a large sum to have invested in a small orchard. The average farmer who supplies only his own fruit does not have one-fifth of that sum invested in the "plant." so that he reaps 50 per cent. a year from the investment. Toes any business need to pay better than that? sell their fruit to reap a profit from it than that?

SPEAKING of jellies, reminds that the non-producing countries are better manufacturers of fruit products than the fruit-growing countries themselves. England, that could not grow an orange except in a hot-house, makes more orange marmalade than all of the traiters. more orange marmalade than all of the tropics, and imports the fruit thousands of miles to do it; so with all other fruit products. The reason is that England is a manufacturing country: the tropics are not. But there is no reason why Southern California should not become a manufacturing country, at least to the extent of making up into their most profitable from the fruits that grow almost spoutaneously here. Then we shall not only sell ripe oranges to New York, spontaneously here. Then we shall not only sell ripe oranges to New York, but also all the products of that fruit whose business is so naturally here. Speaking of drying fruit, it will be borne in mind that this method of preparation requires none of the expense of canning, and is within the resources of every householder. No capital need be invested in it; so if nothing gained, nothing lost.

WHOEVER makes a business of fruitwhoever makes a business of truits is thereby gained that is not likely otherwise to be had, and they are thereby enabled to know whether or not a thing pays, and, if not, to correct the evil. Besides, a more systematic method of management and a more zealous prosecution of it is likely to come from this careful watching of results. Wherever a farmer is keeping an account of his business, the probability is that it pays him. Not that the book-keeping in itself makes any more or less of the dollar that is so recorded calls it so vividly to the attention of the owner that he is likely to stop it, if going the wrong way, or increase it, if in the right direction.

A HILLSIDE orchard or vineyard looks prettier than a flat one, but it is more likely to wash with a heavy rain, such as that lately experienced. A good way to avoid this is to let the weeds stay on it until the rains are over. It is whill also to ribox round and the winter apples bring a high price, while earlier ones sell—such lower. Dried, shough they always sell best with the constant of the chances of disposing of it. What kind of fruit will probably sell best, and in what shape. For the citrus fruits there is no question beyond that of raising the best. The best oranges are always in ouestion beyond that of raising the best. The best oranges are always in ouestion beyond that of raising the best. The best oranges are always in ouestion beyond that of raising the best. The best oranges are always in ouestion beyond that of raising the best. The best oranges are always in ouestion beyond that of raising the best. The best oranges are always in ouestion beyond that of raising the set. The best oranges are always in ouestion beyond that of raising the set. The best oranges are always in ouestion beyond that of raising the set. The best oranges are always in ouestion beyond that of raising the set. The best oranges are always in ouestion beyond that of raising the set. The best oranges are always in ouestion beyond that of raising the set. The best orang raising, that is, raises it to sell, will

At. Up and down furrows make bad beginnings for rain washes. Whoever has a farm with a watercourse in it, will do well to avoid, if possible, changing its natural course. Its natural banks are usually proof against washing, being protected by grass and roots, but an artificial channel has no such protection at first, and is liable to make a great deal of trouble before a substitute can be provided. Many a farmer has regretted the day that he changed a natural watercourse on his land, and has lost hundreds of dollars in the vain attempt to control an artificial one.

WHATEVER is raised to sell should be judiclously considered. It is well to divide the risk a little, for any crop, however useful, is always liable to be overdone, and the farmer whose cash

to divide the risk a little, for any crop, however useful, is always liable to be overdone, and the farmer whose cash income depends on one article alone is liable to find that income inconveniently short. For instance, some articles the past year have not sold for enough to pay a profit. Barley, sweet potatoes and onions may be enumerated as of this class. Another year they may not be overdone, and may pay well. There are some things that are always cash, and nearly always at a good price. A spare beef or two, a few hogs, poultry and eggs—anything, in fact, in the meat line—always sells for cash, and the production of it on a farm entails scarcely any noticeable cost. How much, for instance, would a 10-acre farm feel the presence of a spare beef animal? Probably never a cent expense could be traced directly to it; yet when it sold it would bring in perhaps \$40 as easily as finding it. A half dozen hogs or a flock of poultry the same way.

FARMING in Los Angeles county is represented by some of the brightest men in it. United States Circuit Judge Ross is an orange-grower at Glendale; also Capt. Thom, ex-Mayor and District Attorney; ex-Postmaster H. K. W. Bent is rusticating on the highlands of Pasadena; Sheriff Billy Sarlad hed extitled the details and spricts. The market for green and aprictos. The market for green fruits will also increase as thome every year, for the number of non-producers to so, also, are the facilities for shipping it wit will also increase as the one very year, for the number of non-producers to suit will also increase as the one very year, for the number of non-producers to suit wit will also increase as the one very year, for the number of non-producers to suit will also increase, set he facilities for shipping it green to the States, which is the most profitable market in a large way for green fruits. With this in view, the selection of son-produc

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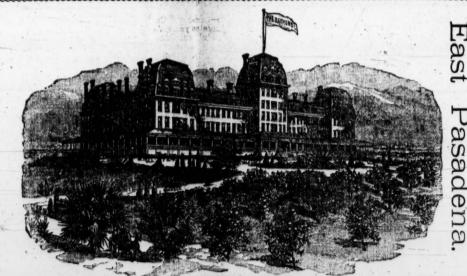
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THIS ISSUE CONSISTS OF

TWENTY-THREE PAGES 9 Full-size and 14 Half-size.

ANNUAL TRADE NUMBER To Be Ready on Saturday, January

On Saturday, the 4th day of January 1890, the Times-Mirror Company will issu the usual Annual Trade Number of the Los Angeles Times, to be sold separately from the regular news issue of THE TIMES for that day.

It will consist of 48 half-size pages, in closed in a handsome four-page cover, with elegant illustrated title-page and three maps—the whole bound in the style of Harper's Weekly.

The contents will be equal in volume to good-sized 200-page book.

The Annual will contain, among other things, the following leading features: (L) A Review of the Year, showing the progress and present business condition of Angeles city and county, and of the

counties composing Southern Call-

(2.) Accounts of the actual experience settlers, cultivators, home-builders ste-hunters, invalids, and others who have removed to Southern California within the past decade.

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(a.) Practical information about lands, rices, cultivation, products, and openings or capital, labor and settlement.

(4.) Sketches of the picturesque features of the country, scenary, pleasure and health

(5.) Separate sketches of each of the southern countles—Los Angeles, Orange, San Bernardino, San Diego, Ventura and Santa Barbara—with suitable mention of the principal towns, sections and settle

(6.) Statistics of commerce, agriculture,

ticulture, mining, etc.
7.) Also, much other carefully-preed matter bearing upon the country, its
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To Sportsmen.

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THE Yaqui Indians, in Sonora, are

STILL another Nihilist plot has discovered in St. Petersburg. WE do not expect any boom this

year, but we do expect a year of steady OUR real-estate business has "died out" considerably, yet there were

over \$35,000,000. LET us swear off waiting for eastern tenderfeet, and go to work to develop the matchless resources of the grandest land on God's footstool.

THE Russian influenza has reached Arizona. If it can successfully down an average old-time Arizonan, it must indeed be a tremendously powerful grip.

An English syndicate, it is reported, is negotiating for the phosphate beds of South Carolina. Is there anything lu this country that British capital

don't want? A MINNEAPOLIS capitalist is talking ut the erection of a 28-story building, which is to be 300 feet in height. Yankee enterprise won't stop short of a modern Babel.

A DETAILED statement of the conn of the city and county banks, a sis of which was published in THE es of the 29th, will be found among matter from the Annual Trade mber, published in this issue.

is claimed that while la grippe has ast hold in Paris, the American colin that city is passing through ale almost unscathed through

THE ANNUAL TRADE NUMBER.

Of the 48 pages which comprise the Annual Trade Number of THE TIMES. we print today, in an extra sheet, several sample pages, for the purpose of presenting to our readers, in advance, the statistical contents of our annual publication. The pages are reproduced in the form and size which they bear in the Annual, so that the public may judge something of the character, of that special issue, before its appearance. We still hope to bring out the publication complete on Saturday next, January 4th.

With its handsome lithographed cover, its three maps, numerous original illustrations, and 48 pages of pertinent text, covering all the great interests of Los Angeles and vicinity, it is, by all odds, the best publication which has ever yet come from this office.

We will shortly be prepared to supply the Annual in any quantities desired to business men, commercial bodies, news agents and dealers, immigration societies, railroads, land-owners and agents. "citizens on foot and in carriages," and to all others interested in the upbuilding of the country.

We believe the extensive circulation of this meaty publication, dealing in facts and figures, and in reliable statements, will prove of the greatest service to our southern country and people. We therefore hope to receive large orders for the Annual.

The prices of the paper, single or in quantities, are given on this page. A few cents only is charged for a publication equal in volume of contents to a good-sized, 200-page book.

TWO DOLLARS A YEAR.

From and after this date, January 1890, the subscription price of the Los Angeles Weekly Mirror will be \$2 a year. New, costly and valuable features recently added to the favorite weekly more than justify the advance in price, which was only temporarily lowered. Present subscribers will of course receive the paper for the full term for which they have paid.

THE NEW AND THE OLD.

Standing upon the threshold of a New Year, it is natural for us to look ackward over the one that has just passed and note the changes which it wrought, and the progress which has narked its passage. It has been a year pregnant with calamities, as well as ith great prosperity. It has sometimes seemed as if the secret forces of emental Nature were in league against the race. Fire and flood cyclone and earthquake have ravaged man life, and pestilence and famine have done their share toward gather ng in the harvest of human victims. idents upon sea and on land have also been numerous and appalling, and have swelled the awful catalogue of human loss.

But, notwithstanding this, the year has been an era of progressive advancement, of general prosperity, of universal growth. Especially has this been true of our own country, which has been rich in abundant harvests, rapid in the increase of its industrial development, showing an advance in educational and scientific pursuits, in the number and greatness of its internal improvements, and a wisdom in its methods of government that have preserved peace for us with all other nations, and secured for our flag the respect of the world.

We have also seen inaugurated in our midst a Congress of United Americas, whose labors will tend to the unification of the interests of all the countries of this New World. The year has, through this means, brought the conception of the project for an international railway which shall bind with bands of steel the northern and southern portions of this great con-tinent, and which when completed will bring to our very doors the almost unknown civilizations of the South American States, opening to us the wealth of their mines and their com merce, and sending the throb of ad vancing civilization from the norther lakes to the far-off shores of Patagonia. Marvelous results will flow from the successful completion of this project. It will do more than anything else to make the countries of thi whole western continent a unit for

freedom In Brazil an empire has fallen, and upon its ruins has arisen a new republic. The result of the change it is im transfers last year to the amount of possible as yet to determine. If a liberal and enlightened public policy characterizes the action of the leader of the republic the movement will be likely to permanently prevail-but if not, it will be a step backward toward anarchy and misrule, although ultimately republicanism will undoubtedly triumph.

The changes which have taken place in the cabinet of the Japanese government are progressive ones, tending to a decrease of arbitrary, authority on the part of the governing powers, and more liberal measures toward the .peo-

China has also sent her ambassadors abroad to study the methods of enlightened governments, and the be probability is that into the very heart of the Celestial Empire the principles of Christian civilization will soon penetrate and exercise a modifying influence upon the autocratic rule of that

The year just closed has also seen the path of exploration extended, and the highway hewn for progress. Into the very heart of the Dark Continent has the intrepid Stanley pushed his way, and brought to light the knowledge of its mysteries. Already lines of steamers are established connecting of quinine pills. Trot out the Great Britain with the eastern saviors and have them in readicoast of Africa, and by degrees the lines of railway upon

coast will be pushed inland, and the waste and desert places of Africa will soon be open alike to the commercial

traveler and the missionary, carrying with him the evangel of peace. The year just closed was pregnant with the opes of enlightenment for Africa, and a speedy breaking-down of the barriers which superstition and barbarism have for ages thrown in the way of progress.

is hopefully looking forward to. There is no financial craze in our nidst, no unhealthy excitement, but

there is steady and solid growth. From the northern to the southern boundary of the commonwealth, the outlook is encouraging. Business is prosperous; capital is seeking investment: manufactures are gradually increasing; new industries are slowly developing; hundreds of thousands of dollars are being expended in improvements; the health of the State at large is good, and all the indications are for a year of more than ordinary development and prosperity. Thus, with thankfulness for the past and with hopes for the future, THE TIMES wishes one and all of its readers "A Happy New Year."

THE important and much-traveled county road to Alhambra and San Gabriel is still in a most horrible condition, being in places almost impassable. It is certainly a most disgraceful thing that our county roads should be allowed to remain in such condition. A vast amount of money is raised "annually for roads in this county. What becomes of it? Good county roads are at least as necessary as good city streets. The lack of them disgusts many visitors and causes them to curtail their stay. More than that, it throws unnecessary and unreasonable obstacles in the way of the farmer who comes to the city with his load of produce. Let us have good roads.

NORTH CAROLINA ought to have ood schools, as she has 800,000 acres of land to sell for the benefit of her educational fund. But probably the Democracy of the State will not be in any haste to take advantage of it. It is not the business of the southern Democracy to build schoolhouses.

THERE is a conspicuous absence of any further news of Federal appointments for Los Angeles, but we are informed that the red-ball act is still being performed, and that Tuesday next is now set for the day upon which Messrs. Ambrose, Green and Seamans are to be appointed.

AMUSEMENTS.

GRAND OPERA-HOUSE.-There was still larger house last night than was pres ent at the opening on Monday to witness ent at the opening on Monday to witness Vernona Jarbeau's performance in Starlight and the expressions of satisfaction were loud and long, showing that the company and star have made a genuine hit. Miss Jarbeau is still suffering from a cold, but it does not in the least affect the vivacity of her acting. William Sellery makes a very good impression in the first set.

ity of her acting. William Sellery mares a very good impression in the first of where he has something to do, and sings a fine bass sole. After the first act he has comparatively little opportunity.

The "composer" of Startlight seems to have begun his work with some distant idea of making a comic opera. There is an opening chorus, a good entrance for the comic impresario who is visiting Italy for the purpose of finding a prima donna in the rank of the peasantry, some good dialogue follows and then there is a well-contrived entrance for "Starlight," herself, followed by the usual song, then the brigand lover comes down the stage over a rocky path and finding his lady love about to be taken from him to become a the brigand lover comes down the over a rocky path and finding his lad about to be taken from him to be tain follows. From this point all concrementation follows. From this point all concrementations and the actors seem to have had the privilege of appearing in whatever business suited their tastes, and with a result that might be expected.

The piece will be repeated at the matinée today and again this evening.

EMMA JUCH OPERA COMPANY. - The tomorrow morning at 10 o'clock, and it will doubtless be very satisfactory. The company is the largest of the kind that has visited this city since the National Opera Company was here, and though it does not contain so many principal singers of note, it yet has some of good repute, and with the practice, the chorus and orchestra have had since they commenced their work in Philadelphia last October, they ought by this time to be well worth hearing.

Los Angeles THEATER.-Next Monday vening this theater will be occupied by J. M. Hill's Union Square Company, which M. Hill's Union Square Company, which will give Sydney Rosenfeld's successful comedy, A Possible Case. The plece is a satire upon the working of the divorce laws, and is said to be very amusing. It has been so much of a success that Manager Hill has so much of a success that Manager Hill has two companies on the road now playing the same piece. In the cast of the play, as it will be presented here, is found the name of Charles Dickson, who will be remembered as a member of the Lyceum Company on their last visit here. Also the names of Herbert Archer and Belle Archer, who were here with E. H. Sothern. Present indications point to a lively time next week at the theatres.

FLORA BATSON.—The concert to be given by this well-known colored singer tonight at the Fort-street M.E. Church will also be participated in by Mr. and Mrs. C. S. De Lano, Miss A. Werner, Mrs. Ide and Adolph Gravet. The concert is given in aid of thurch purposes.

PERSONAL NEWS

R. H. Stretch of Seattle, Wash., is in J. F. Wilson of Prescott, Ariz., is in

J. D. Dexter and wife of San Diego are in the city. F. Snyder and family of San José are at the Holienbeck.

T. S. Denison, Esq., of Kansas City is in the city, visiting relatives. W. H. Berches and wife of Hills-boro, N. M., are visiting Los Angeles. C. E. Young and wife, Mrs. Bis-bee, Miss Williams and Miss Blei of San Francisco are guests of the Hollen-

A. C. Greenbaum, L. Salomon, J. Smith and Charles Kohler of San Fran-cisco were registered at the Hollenbeck yesterday.

Mr. and Mrs. A. E. Head of San Mr. and Mrs. A. E. Head of San Francisco are registered at the West-minster, and will remain in the city several days. Mrs. Head has just re-turned from a three years' tour in Europe, and is on her way home. Mr. Head is a partner of Senator Hearst.

The barbers at Las Vegas have been in the babit of charging \$10 for shaving a corpse, says the Albuquerque Democrat. They have now dropped the price to \$5. Is it because business is declining in the Meadow City, or because the White Caps have made stiffs very plential?

The barbers at Las Vegas have been built hinks she will have a hard siege to pull through.

Joseph Spinner of Fresno found a tramp in his barn on Tuesday night. He was told to leave, when he drew a beer bottle and struck Spinner on the waste of the been builting a dangerous wound. The tramp was arrested.

POINTS ON HONEY.

A Practical Man Tells About Ri pening it for Market.

Those who are good judges claim that
the present will be the best year for the honey business for ten years past. The following interesting point on ripening honey for the market are from a Placerville correspondent of the Pacific Rural Press:

The New Year dawns upon our own State full of promise. Abundant rains fill the hearts of our agriculturists with cheerfulness. "A good year" is what every heart in California or unrinemed hence. Some bear agreen or unripened honey. Some bee-keepers prefer to have the honey ripen in the hive myself among the number; others, to extract as soon as gathered, and stored away in tanks and allowed to

ripen in a warm room,

I know blere are a great many who
will not agree with me, but my experience tells me that to leave houey in the
bire with it is the roughly reason. hive until it is thoroughly ripened pre serves the delicate aroma better.

To determine the truth of this matof determine the truth of this mat-ter, I extracted the honey from a couple of colonies of bees before it was sealed up, and then I thoroughly ripened it in a warm room, and then had differ-ent parties sample each kind. That ripened by the bees was pronounced for the heat

ent parties sample each kind. That ripened by the bees was pronounced far the best.

It requires from two to four weeks to ripen and evaporate honey. Honey that contains a great percentage of water requires a longer time to ripen. You all know that new white comb honey, just finished, is not equal in pure, sweet, aromatic flavor to that honey that has been capped over for a long time (that is, both samples being gathered from the same bloom).

Manzanita honey, if extracted before it is ripe, is little better than sweetened water—in fact, manzanita honey

ened water-in fact, manzanita honey is the thinnest honey bees gather in this part of the country. This honey, when first gathered, ir cold weather comes on, part of it will candy, leav-

ing a thin, watery part floating on top, which in time turns sour and acquires a disagreeable flavor.

I have bottled up this uuripe manzanita honey, and have had it start to farment so, that it would need to ferment so that it would push the orks out of the bottles.

Honey that has been gathered from white sage, California lilac, yellow sage, etc., when properly ripened, has a sparkling clearness, like clear fint glass, and the flavor is pure and exquisite. A great many kinds of honey will

candy sooner or later; that is one of the best evidences of its purity; adul-terated honey will not candy. To bring candied honey to the liquid form again is very simple. Place the can or jar of extracted candied honey in a vessel of warm water—not too not, so as to scald it—and in a few moments it will return to the liquid form.

At the "Silver Fir Aplary," one season, the bees filled the hives from the bettern and not having time to

top to bottom, and not having time to extract it, I placed an empty story filled with frames of foundation between

extract it, I placed an empty story filledwith frames of foundation between the two filled ones.

In a short space of time this story was filled with solid chunks of honey of snowy whiteness. I continued this tiering-up plan until some solonies had five stories filled to repletize.

That honey was left on the hive fully three months after being gathered; of course, if I were going to sell it for comb honey, I should have taken it off a great deal sooner, before the bees had the combs travel-stated.

I extracted that honey but up in clear glass jars, neatly liboled, and I never sold any honey that I received so many testimonials from it. I did from that, it was ut antique to sparkling clearness, and the characteristic flavor or aroma was wonderfully preserved, so that it was quite easy to distinguish the source of bloom it had been gathered from.

Some honey has such a strong aromatic flavor as to be somewhat objectionable; again, many times new honey has a disagreeable odor and taste, especially that gathered from the blossoms of the holly.

Apple-blossom honey, though, is an exception to the general rule; it is as

the blossoms of the holly.

Apple-blossom honey, though, is an exception to the general rule; it is as good the day it was gathered as it will be a month afterward.

I have noticed in this county that

I have noticed in this county that the density of the honey is increased-according to the altitude of the bloom; 15 miles above here the honey is a great deal thicker at the time of being gath-ered than the same kind of honey from the same source of bloom is at Placer

At one of my mountain apiaries a source of honey is the incense cedar, which is of such density that it is impossible to extract it; the combs will be torn to pieces before it will start out; that is when it is first gathered, to the combs will be to the combs when it is first gathered, it sometimes happens that one It sometimes happens that on has a large crop of extracted honey and if a small price is offered it is quite an item to know what to do with t. Stone crocks or jars are splendid to keep extracted honey in, and if it candies it can be easily cut out when wanted. I always draw the honey out of my honey-tanks into small glass jars and five and ten-pound cans before it

starts to candy.

If I were going to ship extracted honey, though, I would put it in fivegallon cans. It is sometimes quite dif fault to get honey out of a large honey-tank or barrel after it gets candied, and with a barrel it is exceedingly so; the only way then would be to remove

the hoops, Comb and extracted honey should be kept in a dry, warm room. To preserve the snowy whiteness of the comb, it the snowy whiteness of the comb, it should be kept in a dark warm room. If honey is kept in a damp room it ab-sorbs the moisture, which in a short time injures the honey.

time injures the honey.

Produce a choice article of extracted honey, put it up in a neat, attractive package, and it wil not go begging for a market.

S. L. WATKINS.

The Mormon Curse.

|Salt Lake Tr Recently a family residing in the Fifteenth Ward were found to be in very destitute circumstances. The father had deserted his family and the father had deserted his family and the mother and one or more of her children were very sick. When the woman was asked why she had not sought aid from the Relief Society she replied that she had done so, but no assistance was given her because a neighbor had called in a Gentile physician to attend her. Other parties have since taken the matter in hand and provided for the wants of the family.

Swallowed Boiling Water.

Edith, the little daughter of Mr. and Mrs. H. F. Crabtree, was severely burned last Thursday evening. It seems the child placed her mouth over the spout of a kettle of boiling water, closed her lips and sucked in the air. Of course, the spout acted as a siphon, and the water shot into her mouth. She swallowed some of it and her She swallowed some of it, and her mouth, throat and stomach were badly burned. The attending physician thinks she will have a hard siege to

WASHINGTON

Glass - makers Before Tariff Committee.

A Great Diversity of Views as to the Question of Protection.

The International Marine Conference Adjourns Sine Die.

Randall's Family Deny That He Is Seriously III-Reducing the Public Debt-Other Washington News. Etc.

By Telegraph to The Times. Washington, Dec. 31.—[By the Associated Press.] Although the Ways and Means Committee had assigned today for hearing persons interested in the manu-facture of earthenware, the committee first listened to an argument from Robert M. Thompson of New York in favor of the free mportation of copper ore intended for ex-

ortation as refined copper.

L. Bodine of New Jersey impressed upon the committee the necessity of restoring the rates of duty which prevailed prior to 1883 on cylinder window-glass and bottles, green and French. Since the act of 1883, foreign ican glass, although there existed in the United States furnaces to produce glass for

the whole country.

Ex-Congressman Brewer of Trenton, rep-Ex-Congressman Brewer of Trenton, rep-resenting the potters, thought all their trouble grew out of the advalorem duties. The pottery industry had never been adequately protected. If something was not done to check the importation of Ger-man goods, Bohemian wares would have the market of the United States within five years, and American potteries would have to succumb or reduce wages very ma-terially.

George A. Macbeth of Pittsburgh, manu-George A. Macbeth of Pittsburgh, manufacturer of lamp glass, testified that he manufactured 200 styles of lamp glass, and of the 200 styles only 20 were competed with by foreign producers. One of the principal articles used in his business was soda ash, and he favored a reduction of the duty on that article. He would take the duty received from soda ash last year and buy the soda ash manufactory at Syracuse four times over. He bought foreign soda ash, and believes he could manufacture it at the rate of 60 cents per 100 pounds. The ash, and believes he could manufacture it at the rate of 60 cents per 100 pounds. The present price was \$1.45. Another ingredient which entered into his manufacture was carbonate of potash, which bore a duty of 20 per cent. There was not enough of that article in this country to supply his factory alone. The increase of duty, he argued, would not cut off the importation of foreign glassware or crockery. It would make people who want that identical kind of ware pay more for it than now, but it would not prevent its importation. The only effect would be to increase the price of 180 kinds of lamp glass, for which he had 180 kinds of lamp glass, for which he had no competition. He wished to have the

no competition. He wished to have the duty remitted on soda ash, carbonate of polash and lead.

"Give me free trade or free material such as England has," said Macbeth, "and give me proper products of my labor, and I defy any competition on the face of the earth."

Mr. Bayne: And pay your workmen the wages you now pay them?"

Mr. Macbeth: "I will pay them more."

Mr. Macbeth admitted that he at one time contemplated moving his works to Germany.

Mr. Macbeth admitted that he at one time contemplated moving his works to Germany. He said German workmen were not as efficient and skilled as Americans.

Bayne asked him if he would have paid them the wages he pays here, and Macbeth admitted that he would not. His leading idea in going to Germany was the cheapness of material and plant. If he had free trade in his raw material, he would be perfectly willing to have free trade in his product.

product.

The chairman inquired whether the consumers of lamp chimneys would be bene-

sumers of lamp chimneys would be benethe soldwar raw material as way as
the finished products to be admitted free.
Mr. Macbeth said the difference in prices
would be 3 or 4 cents a dozen.
Mr. Gear: That is to the retailer. Would
a woman who goes to a store to buy a chimney get it for less?
Macbeth: My individual opinion is that
I doubt it. James Galander of Philadelphia said that lamp chimneys, mostly used in this country, were manufactured here and sold for less than imported chimneys. The imported

were manufactured here and sold for less than imported chimneys. The imported chimneys are sold principally on special lamps, and was bought by people of means. He did not want free raw material and was an advocate of an increase of the duty on various grades of glass. If his raw material as well as the finished article were admitted free, he could not pay the present wages and compete with foreign goods.

goods.

D. C. Ripley of Pittsburgh, president of the American Flint and Wineglass Assoclation, advocated protective duties on cut glass. He presented several specimens of Belgian glass, and stated that they could be

The Marine Conference WASHINGTON, Dec. 31. - The International Marine Conference was called to

tional Marine Conference was called to order this morning by Admiral Franklin, president of the conference, and from the beginning of the session it was evident that an adjournment sine die would be reached today. Various reports were adopted.

Mr. Hall of England in a graceful speech offered a resolution that a formal and cordial vote of thanks be offered to Admiral Exactly for his contraction. franklin for his courteous, able and impartial conduct as presiding officer of the conference. The resolution was unanimously adopted anid much applause, and Admiral Franklin, after acknowledging the high tribute, announced the adjournment of the congress sine die.

Reducing the Public Debt WASHINGTON, Dec. 31.-Estimates show that there has been a decrease of nearly \$4,000,000 in the public debt during Dece 44,00,000 in the public debt during 'December. This makes the total reduction for the half of the present fiscal year about \$24,000,000 against \$31,522,000 during the corresponding period of the previous fiscal year. The reduction for the calendar year ending today is \$51,481,000 against \$91,538,000 for

Randall's Condition. WASHINGTON, Dec. 31.-The rumor wa current at the Capitol this morning that Randall's condition was much worse. Inquiry at his house was answered by an emphatic denial from his family. Randall is much better, and out of bed attending to his correspondence.

Affairs in Mexico CITY OF MEXICO (via Galveston), Dec 31.-A reception was given last night at the American Legation to Gov. Theyer of Nebraska and party. A military band fur-nished by the Mexican government discoursed music.

At the bull-light at Villa Lerdo, on Sunday, the amphitheater fell. Nearly 100 persons were injured, several fataily.

The Yaqui Indians in Sonora are on the warpath. On Sunday, Lieut. Gonzales's force routed 80 bucks. Many robberies are reported. Crooked Aldermen Convicted.

PITTSBURGH, Dec. 31.—Alderman Parter and Constables Sheppard, Parker and Carey were convicted today of conspiracy to defraud. This makes five aldermen con-victed of receiving money to settle illegal liquor selling cases. The others are now serving terms in the workhouse. Buried Under a Sand Bank. JACKSON (Tenn.), Dec. 31.—Four boys, between the ages of 6 and 8 years, were playing under the edge of a sand bank yesterday afternoon. The bank caved in, burying the little fellows under 10 feet of sand. Life was extinct before they could

Death of an Educato NEW YORK, Dec. 31.-Rev. William W. Patton, D.D., president of Howard University. Washington, died suddenly at Westfield, N. J., this morning, of congestion of the lungs.

RUNNING SMOOTHLY.

The Effects of the Late Storm Almost Obliterated.
SAN FRANCISCO, Dec. 31.—[By the Asociated Press.] Not since the late storm

have railroads been running so smoothly as at present, and it is expected that a large amount of mail and freight which has accumulated during the late trouble with the tracks and bridges will soon be disposed of. It is thought that the train leaving here to-It is thought that the train leaving here to-night will go through to El Paso without transfer. On the Atlantic and Pacific the bridge over the Mojave River has been placed in proper condition for the running of trains across the same. Owing to the ac-cumulation of mails the postoffice employés here will have to put in New Year's day in setting them ready for delivery. The Cen-tral Pacific is hard at work with snowplows near Summit, where the snow is reported as deep as 10 feet, clearing tracks in order to allow cars to come through without stop-ping.

Montana's Senatorial Contest BELENA (Mont.), Dec. 31.—Col. W. F. Sanders has been nominated for United States Senator. He will be elected in join session tomorrow. For the second Senator-ship T. C. Howerman, W. B. Platt Carpen-ter and Lee Lantle will be placed in nom-ination. The House adjourned until 4 p.m. today.

The Republican House met at 4 o'clock

row.

At a caucus of Republicans tonight Power was said to be in the lead, but there are prospects that a dark horse will get away with the prize tomorrow.

The Democrats of the House and Senate

also caucused, and it is understood that W.
A. Clarke of Butte was nominated for one
Senatorship, with Martin McGinnis and S.
T. Hauser close for the second.

The Supreme Court's Workyear just ended 635 civil and 129 criminal cases were entered in the Supreme Court of California, as against 514 civil and 125 criminal cases for 1888. The following summary shows the amount of work in the Los Angeles district not yet finally disposed of: Causes dropped from the calendar to be restored on motion, San Luis Obispo, 2; causes under submission. Santa Barbara, 6; Ventura, 2; San Diego, 5; San Bernardino, 13; Los Angeles, 2; Fresno, 8; Kern, 2; total, 57. Causes not yet placed on the calendar: Santa Barbara, 3; Ventura, 4; San Diego, 10; San Bornardino, 5; San Luis Obispo, 7; Orange, 1; Los Angeles, 25; Fresno, 7; Kern, 4; total, 65. year just ended 635 civil and 129 criminal

The Alaska Company's Rival. SAN FRANCISCO, Dec. 31 .- The North American Commercial Company has been incorporated for the purpose of hunting and killing all kinds of fur-bearing animals, and killing all kinds of fur-bearing animals, and to secure concessions from all governments. It is announced that the capital stock is \$2,000,000. The directors are Lloyd Tevis, Henry Cowell, Mathias Meyer, Albert Miller and Isaac Llebes. Rumor has it that the North American Commercial Company will seek to either supplant or absorb the Alaska Commercial Company.

Paying the State's Debts. SACRAMENTO, Dec. 31.—This has been a busy day with the State Treasurer, who paid off the State Printing Office force, State officers, attaches of the Capitol building and grounds, about \$80,000 in Intereston bonds, thousands of dollars due upon warrants belonging to residents of all parts of the State, \$17,500 due the State Agricultural Society, military claims, sheriffs' claims, Deaf, Dumb and Blind Asylum war

Lost Life Rather Than Leg. Francisco shoemaker, whose ankle was crushed by the cars at Lathrop on the 20th crusned by the cars at Lattrop on the 20th inst. died this evening at the County Hospital. He was told that he could not live unless his leg was amoutated below the knee, but he said he would die rather than submit to the operation. He was 58 years of ago, and leaves a brother at San Leandro.

Fire at Spokane, Fire broke out in a restaurant in a row of

tents on Riverside avenue this morning. tents on Riverside avenue this morning McDongali's drug store, the Union Pacifi-ticket office, J. C. Epperson's boot and shoe store, the Grand saloon, Snyder & Soule's real estate office, Harris's dry goods store and Barmon's clothing store were totally destroyed. The total loss is \$46,000; insur

iestroyed. ince, \$25,000. A Vear's Failures street Mercantile Agency reports on the Pacific Coast 813 failures for the year 1889, Pacific Coast 813 failures for the year 1889, with assets of \$1,367,373, and liabilities of \$4,655,971, as compared with \$31 for the previous year with assets of \$4,611,098, and liabilities of \$8,454,233. Failures in California were 653, with \$1,871,521 assets and

order of Railway Telegraphers. A suit for previous year with assets of \$4,611,098, and liabilities of \$8,454,233. Failures in Callfornia were 653, with \$1,871,521 assets and \$3,716,964 liabilities.

Robbed His Employers.

Chicago, Dec. 31.—Lewis Hitchier, an errand boy in the office of Orange Judd's Farmer, a weekly agricultural newspaper, was caught this morning in the set of taken. was caught this morning in the act of stealing remittances in letters addressed to the paper. He confessed that he had been robbing the paper for two months, and secured a large sum. Just how much is unknown.

A Defaulting Railroader. SAN FRANCISCO, Dec. 31.—The where abouts of S. A. Van Prages, city passenger agent of the New York, Lake Erle and Western road, are unknown, and J. B. Mc-Call, general agent of the road, today swore out a warrant for Van Prages's arrest, al-leging a shortage in the latter's account.

Pugnacious Brothers. RED BLUFF, Dec. 31.—Peter and Pau Mason and J. H. Harris, neighbors, residing near here, renewed an old quarrel yester-Mason and J. H. Harris, neighbors, residing near here, renewed an old quarrel yesterday, and the Masons beat Harris's face into an unrecognizable shape, and his recovery is doubtful. The brothers gave themselves up, and were released upon \$10% bonds.

A Hunter Killed. Colusa, Dec. 31.—Near Princeton this norning, while James Turman and Alfred Harbison were out hunting. Harbison was stracting a cartridge from a rifle, when Furman stepped in front. The cartridge exploded, and the ball entered his right ade. Turman died about noon.

One Round Finished Him. Modesto, Dec. 3.—A glove contest be-tween Young Dutchy of Fresno and Thomas O'Brien, middle-weight champion of British Columbia, took place this even-ing. Minor Walden was referee. The con-test was a brief one, O'Brien quitting in the first round.

SACRAMENTO, Dec. 31.-Notices were sent from the Controller's office today, giv-ing information to various treasurers of the

amount to be received by each county from the railroad taxes collected by the assess-ment of the State Board of Equalization. Boomers Will Pay Up. PIERRE (S.D.), Dec. 31.—Resernatters are quiet today. It is under the boomers will endeavor to effect a money settlement with the half-breeds. Two co panies of regulars have been ordered to the scene to prevent further fighting.

Salvationists Jailed.

PASADENA, Dec. 31. The City Council

ssed an ordinance this afternoon prohib

streets with drums. The army came out as usual. The entire corps is now in jail. Cut to Pieces. TACOMA (Wash), Dec. 31,-August Erickson, a laborer, 25 years old, was run over by a switch engine, in the Northern

Pacific yards, this morning, and cut all to

Four toughs were locked in a cold-storage car at Oakland on Saturday night, and were carried to Tulare be-fore they were released. The trip took 30 hours, and the fellows were slowly freezing to death; but they were thawe

BEYOND THE ROCKES.

More Talk About Anneling Canada.

Why Erastus Wiman Ramain a Subject of Great Britain.

Blacklisted Telegraphe Sues Western Union Mana

Colliston Between Railway Indiana - Several Persons (Illed -Other Dispatches fi Over the Divide.

By Telegraph to The Times.

New York, Dec. 31.—[By the associated Press.] Ellis H. Roberts, Sub-Teasurer of the United States, was the first vitness before the Canadian Committee today. He believed that the present commercial lations with Canada were advantageous the United States. Restricted trade would act materially toward the annexation of Canada. If the United States permitted Canada to bring her products to this market

Canada to bring her products to this market free of duty, Canada would have no desire to become annexed to this country.

The testimony of masters of fishing vessels as to the working of the present arrangement in their line was taken.

Erastus Wiman, who has been present at the hearing, when asked by the chairman of the committee if he was an American citizen replied that he was a Canadian subject of Her Majesty. The reason he did not seek the glories of American citizenship was only due to the fact that it would destroy his influence in Canada.

Charles H. Pew of John Pew & Son, of Gloucester, testified that his firm was engaged in fitting out fishing vessels.

Senator Hoar asked the witness for his yiews as to the voine of the crews of the

Senator Hoar asked the witness for his views as to the value of the crews of the fishing vessels of Gloucester for service in the navy in the event of war.

Pew replied that fishermen were always eagerly sought after to serve in the navy. About one-seventh of the population of Gloucester took active part in the late war. Referring to the subject of Canada's treatment of American fishermen, Pew said the Americans cared nothing for the three-mile imit. What they did want was the right to get such conveniences as four, balt, etc., when in Canada. Such privileges were not necessities, but rather conveniences. It was not so much the refusal of the Canadian government to permit American fishermen such privileges as the manner of the refusal that was complained of.

The committee adjourned to meet in Washington.

RAILWAY WRECK.

Two Trains Collide - Several Per-INDIANAPOLIS, Dec. 31.- By the Assoclated Press. | A frightful and fatal wreck Panhandle Railway. A train north under Conductor Thomas Lamb, Junction on schedule time. A mi mas Lamb, left the it met a train southbound, under Conductor V. D. Noland, running 50 miles an hour. The trains crushed together, totally denolishing the engines, burning the bag gage-car of the southbound train, which tumbled on top of the engines. George Cummings, engineer of the southbound, was

Cummings, engineer of the southbound, was baggagemaster J. Kerin was killed.

Thomas Harbor was hurt seriously. Exress Messenger two men named Woods and Webb b hurt. The passengers in the coaches shaken up. The cause of the wreek mystery, but the general opinion is

TUBBS. MUST. TAL

"Blacklisted" Telegraph Operator Sning for Damages.
CHICAGO, Dec. 31.—[By the Associated
Press.] District Superintendent Frederick
H. Tubbs of the Western Union Telegraph Company must answer the questions of Edward 1. Randall's lawyers. So Judge Tut-hill decided today. Randall is a telegraph operator who claims to have been "blacklisted" by the superintendent of the Rock Island road for organizing a branch of the

order of Railway Telegraphers. A suit for

the questions or be attached and punished He gave them until Thursday to decid what they would do. A Prosperous Year Predicted.

Advertiser says interviews with many lead-Advertiser says interviews with many leading business men as to the prospects for 1890 reveal a most unanimous belief that the coming year will be one of unusual prosperity. Erastus Winan, who is perhaps as well posted on business conditions as any man in the country, said: "If next year is not the most prosperous year in our history great calamities which man cannot foresee must occur. In all my business experience I have not seen a more favorable outlook."

AUBURN (N. Y), Dec. 31.—The State Commission today tested the electric exe-cuting machinery in this prison. Reporters were not allowed to witness the tests, but Mr. McDonald aunounced that a calf and a horse were put to death with a suddenness that was highly gratifying to the commission. A current of about 1000 volts was

An Old Physician Dead Hot Springs (Ark.), Dec. 31.—Dr. G.W. Lawrence, the oldest and most prominent physician of Hot Springs died last night physician of Lot Springs, died last night, aged 70. Dr. Lawrence was appointed at an early age assistant surgeon of the United States Navy and served in the squadron of Commodore Stockton at the taking of Monterey, Cal.

Colorado's Mineral Output. DENVER (Colo.), Dec. 3d .- The Republican will publish a review of the mining in-dustry of the United States tomorrow which places the gold, silver, lead and copper output at \$90,000,000, and the output of the State at \$32,000,000. Leadville leads all other points, with an output of \$13,000,000. Aspen comes second with \$9,000,000.

A Dynamiter Pardoned. SPRINGFIELD (III.), Dec. 31.—Gov. Fifer has commuted the sentence of Bauereisen. the 'Q" dynamite conspirator, and he will be released from Joliet, January 2d. Fire Near a Theater.

NEW YORK, Dec. 31.—Fire at 129 Crosby street tonight did \$60,000 damage. It is near Niblo's theater, and for a time much excitement prevailed. Talent Secured. SACRAMENTO, Dec. 31.—President En-

" Aged 100 Years. STOCKTON, Dec. 31.—Auntle King, a colored woman who lived here many years, died this afternoon at the County Hospital,

right received a contract today forwarded by Manager Zeigler, who is now east in search of talent, from William Bowman, Bowman caught for the Wheeling (W.Va.) ball club last year.

Sisson. Dec. 31.—Last night the safe in the postoffice was robbed of \$800 in money. There is no class to the robbers.

ing. On the Southern Pacific the Santa Ana and Santa Barbara divisions are the only roads that were not opened yesterday. The Santa Barbara line will be opened today and the Santa Ana tomorrow or day after. The Yuma division is all right and trains were running into the Wolfskill depot last evening, as the bridge across the Los Angeles River was comleted yesterday afternoon. Yesterday afternoon 260 carloads of freight came over the Yuma division. It has been tied up at Colton during the past few

tied up at Colton during the past few days.

The north bridge over the Los Angeles River was completed night before last, and the first train for San Francisco will leave the Wolfskill depot at 1:43 p.m. today. A train left San Francisco for this city last night, and will arrive here this afternoon at 4 o'clock. Yesterday afternoon 39 carloads of beef cattle came in from Arizona over the Southern Pacific.

Two more carloads of the Santa Fé's delayed passengers came in over the

delayed passengers came in over the Southern Pacific last evening,

THE SANTA FE. The Santa Fé people are straightening things out in great shape, and will have all their lines open today. The first engine went over the Los Angelestiver bridge at 3 o'clock yesterday afternoon, and the east-bound train passed over the bridge at 3:30. It is possible that a transfer will have to be made in the Cajon Pass, but the damage was about repaired last night, and the train may get through.

Two trains full of people came in over the Santa Fé at 4 o'clock p.m. They came through the Cajon, but had to be transferred.

The Rivera bridge will be completed today, and regular trains will be run ings Bank have all their lines open today. The

today, and regular trains will be run to San Diego tomorrow. Freight is piling in from all quarters, and the railroad people will be kept busy for some days to come.

A SANTA FE WRECK. At 10:30 last night the special passenger train that left Orange for San Diego met with an accident five miles the other side of San Juan. The train was making good time when the engine ran into a landslide and jumped the track. Engineer King jumped and landed in the mud, and before he could pull himself out the engine fell on him and crushed him to death almost instantly. The fireman was more fortunate, as he jumped on the other side and escaped without injury. The coaches did not leave the track and no one else was injured. The passengers consisted of a gentleman and his wife and children. This is the first accident since the storm.

Engineer Sam King is the unfortunate who went down in the Arroyo Seco bridge wreck during the storm. He escaped death at that time by swimming ashore, and was transferred to the San Diego division. senger train that left Orange for San

Residence of A. D. Childress Burglarized—Culprit Captured.

The residence of A. D. Childress, the

banker, at the corner of Adams and banker, at the corner of Adams and Thompson streets, was entered some itime between 10 o'clock Monday night and 5 o'clock yesterday morning, by burglars, and a large amount of valuable silverware and some wearing apparel stolen. The family retired to the sleeping apartments, on the upper floor, at the usual hour, at which time the house was securely closed. All the indications point to the fact that the thieves had been watching from the outside for some time, and, after waiting for everything to get quiet before they began work. The burglars first attempted to effect an entranect through the cellar, but in this they failed, and they then got not them having ronably been helped through the window, when he opened the dining-room door and admitted the others. After satisfying themselves that everything was safe, the thieves proceeded to make themselves as thome. They first took a substantial lunch, washed down with a decanter of wine that stood on table, after which they proceeded to gather up everything of any value in sight. Sixteen aliver teaspouss, four astronomy of the store of the control of the proceeded to gather up everything of any value in sight. Sixteen aliver teaspouss, four astronomy of the store of the control of the proceeded to gather up everything of any value in sight. Sixteen aliver teaspouss, four stiffs of the control of the cont Thompson streets, was entered some time between 10 o'clock Monday night

At 6-0'clock yesterday morning, when the servants came to the house, and as soon as it was discovered that there had been a burglary, Mr. Childress was notified, and he at once telephoned the fact to the police station. Chief Glass happened to come down to his office very early yesterday morning, and as soon as the news was received. he proceeded with Detectives Auble and Bowler to the residence, where a thorough investigation was made. The detectives then made a tour among the pawnshops and left a description of the stolen property, and about noon a man with the goods entered one of these places and tried to dispose of the goods. The police were at once notified; and Monnted Officer Houston was sent after the thief, and brought him, together with all of the stolen goods, to the station. At the station the fellow attempted to be very facetious, and refused to give his name, saying that Paul Jones would do very well for the register. He also declined to say whether or not there were any others implicated in the job. He finally admitted that his name was George Wisley, and was locked up, charged with burglary.

During the afternoon Mr. Childress called at the station and identified the stolen goods as belonging to—him. Every article taken was recovered, including Mrs. Childress's wrap, which that lady did not knew was missing until it was turned up at the police station.

had her first Christmas tree, in the rooms of her parents. Beside the presents given to Lucile, most of the guests ents given to Lucile, most of the guests of the house placed their presents

The Mysterious Loss of Mr. Willey

was organized in this city several

Mr. Higgins is a most competent man. He took hold of the Chamber of man. He took hold of the Chamber of Commerce when that institution was a mere infant, and he has built it up un-til it has become a power in the land. His friends are rejoiced to learn of his

Security Savings Bank,

Attention is called to the semi-annual statement of the Security Savings Bank and Trust Company, published in today's TIMES. This institution, which was established February 11, 1889, jumped immediately into popularity, and by July 1st had deposits aggregating \$107,000. This has since increased until, as shown in the present creased until, as shown in the present statement, it amounts to \$154,007.09. The Security is what its name implies, a safe as well as a popular banking institution. The officers are: F. N. Myers, president; S. A. Fleming, vice-president; J. F. Sartori, cashier. The directors are: Isaias W. Hellman, T. L. Duque, J. F. Sartori, S. A. Fleming, O. W. Childs, A. J. Bowne, M. B. Shaw, J. H. Bartle, F. N. Myers.

POMOMA.

Slight Damage by the Storm-Injury to a Corn Crop, POMONA, Dec. 29.—[Correspondence

of THE TIMES.] The Pomona Choral Union will present the original Gilbert & Sullivan comic opera, Pinafore, at the Pomona Opera-house next Friday evening, January 3d. The union has been rehearsing the opera for over a

The Pomona Pipe Works have secured a contract for three miles of irrigation pipe for Phonix, Ariz.

The death of Mrs. T. W. Brooks, one of the oldest residents of Pomona, oc-curred at the family residence on Fri-day. The decoased leaves a husband in Pomona and relatives in Los An-

visit in San Francisco next week.

The matrimonial engagement of E.
V. Morgan, a popular young civil en-gineer, and Miss Lizzie B. Overton, is

announced.

The engagement of Ellis Vallikett, a type in the Pomona Progress office, and Miss Laura Cooper, daughter of ex-Supervisor Cooper, is also an-

APIARY.

AN ex-county clerk of Ventura county is one of the largest apiarists of the Simi Valley:

VENTURA COUNTY has the distinction of once having produced a crop of tion or once having produced a crop of hoarhound honey, the bees feeding on the flower of that shrub. It spoilt the flavor, apparently, at first, and there was no sale for it in the London market, where it was sent, but finally a drug-gist took it up for cough medicine and the whole lot sold at a fancy price for that our ose. that purpose.

HONEY-MAKING is likely to change gradually in Southern California as time goes on, and the foothill region is time goes on, and the foothill region is more thoroughly settled up. Originally it was turned up at the police action.

Christmas Tree.

On Christmas Tree.

On Christmaseve, at the St. Angelo lotel on Grand avenue, near Temple, nelle B. Kelly, the 8-year-old aughter of Mr. and Mrs. F. P. Kelly,

A HORRIBLE DEATH

Special Passenger Train Runs
Into a Landslide Near San Juan—
The Passengers Escape—All the Lines Open—Tons of Freight Rolling in.

Rallroad officials were looking smiling yesterday. Almost all the lines were opened and business is booming. On the Southern Pacific the

compiled a report of the honey product of the State, so far as he is able to get response to inquiries, and finds a total of 1,092,900 pounds, or over 546 tons. He gets returns from 39 counties, including Loss Angeles, San Diego, Ventura and Santa Barbara. San son, who was out spending the evening, might get in without disturbing the family. The son returned about 11 o'clock, locked the door and went to bed. Not until the next morning was it discovered that \$108 in coin had been removed frem the pockets of the father. The door was securely locked when the family arose, and no trace of the thief could be found. Evidently the deed was committed by some one familiar with the habits of the family during the interval between 9 and 11 o'clock.

Mr. Higgins Makes a Change of Base.

M. R. Higgins, the secretary of the Camber of Commerce, sent in his resignation yesterday, to take effect today. Mr. Higgins has resigned to accept the office of secretary of the State Viticultural Association, which was organized in this city several weeks ago. ompiled a report of the honey product of the State, so far as he is able to get habits.

The Salt Lake City bobtail car cash-boxes are accumulating lots of spurious

Whether on pleasure bent or business, should take on every trip a bottle of Syrup of Figs. as it acts most pleasantly and effectually on the kidneys, liver and bowels, preverting fevers, headaches and other forms of siekness. For sale in 50-cent and \$1 bottles by all leading druggists.

AMMEN'S COUGH SYRUP never fails to give relief at once. Try it.

Unclassified.

1890

We wish Our Friends and

Customers a Happy and

Prosperous New Year.

May 1890 bring each of

you Increased Comfort and



some roots and herbs.
Young men help'essly addicted to cigarette smoking should give the Crown Cigarettes a trial immediately. They will find that it restores vigor aid health where the poisonous weed manufactured from tobacco and poisonous chemicals destroys it. Crown Cigarettes are recommended by the leading physicians of Europe as a health-producer and an invaluable assistance to digestion. They help to ease the chest and promote expectoration. When inhaled they are a sure cure for catarrh, colds, asthma and bronchitis.

C. S. RUGGLES,

C. S. RUGGLES,

267 North Main St. Agent for Los Angeles for Crown Cigarettes, which, even also this early date after their in-troduction in the United States, may be a cond-

Excelsion Steam Laundry, Main Office, 15 West Second St.

TELEPHONE 307. Our work is the best in the State We employ none but experienced belp.

Branch offices in all parts of the city. Ou wagons call for and deliver work free.

The Ideal Winter Resort

The Land of the Lily and the Rose, HOLIDAY SPORTS!

CATED
So as to be constantly fanned by gentle breezes from the Paolic Ocean, the limit-less expanse of which one never tres watching, or of sating away off into Mexico—the land of mystery and romance. Here everything is full of brightness and beauty, and Liff is a continual pleasure at the

Hotel del Coronado, San Diego County, Cal.

The Most Remarkable

MAGNIFICENT STRUCTURE! On the Contment of America

UPPLIED
With all modern improvements and every requisite for the luxurious enjoyment of rest. Comfort and retirement, such as physicians recommend to all, are here combined.

COMDINED.

OUT SEA BATHS.

Ready at all times, and excellent for rhoumatism. Surf Hathing, the finest of tonics, can be indulted in all winter on the finest beach in the world.

Coronado Mineral Water, Popular Prices!! Popular Prices!! BOUNTEOUS

Gift from natural springs, pure and wholesome, stamps this as the God-favored spot
of earth for invaids. This water is an infailible cure for kidney troubles. It has,
besides, a beneficient effect on the whole
system, and especially on that other important organ, the liver. In this water we
have a pleasant beveause for ordinary use,
a potent and deligatful substitute for
nauscous drugs and an excellent and inv gorating tonic for the whole bodily-system. Hundreds of guests have voluntarily
given testimonials of its excellent medical
qualities.

THE ONLY WATER
used at the Hotel del Coronado is the Cor used at the Rotel derivatives, nado natural mineral water.
R. B. BABCOCK, JR.,
Manager Hotel del Coronado.

TERMS Manager Hotel del Coronado.

at the hotel, range by the month from #
per day and upward, according to room
The comfort of guesta is most carefully
watched.

Agricultural Park,

January 1st, 4th, 7th, 9th, 11th, 1890

may enjoy.

Grand Racing,

Fine Music. -AT-

Only 50c. Only 50c. Only 50c. INCLUDING GRAND-STAND PRIVILEGES

RESERVED SEATS FOR LADIES. Perfect Order Guaranteed.

H. T. RODMAN, Secretary.

EDWARD M. BOGGS, Civil & Hydraulic Engineer. Irrigation Systems a Specialty.

Carpet Douse.

CARPETS. CARPETS. CARPETS

We have decided to sell every piece of goods in our establishment. In order to do we have marked down every article. Prices are no object. The stock must be sold at once. If you need Carpets, Curtains, Window Shades, Lincleums, attend our great closing-out sale. We are selling a splendid line of the following goods.

TERRIBLE SACRIFICE

Good Brussels Carpets : BBc a Yard. Good Ingrain Carpets : 80c a Yard. Good Body Brussels : : \$1.00 a Yard. Good Velvet Carpets : : \$1.20 a Yard.

Good Meauette Carpets : \$1.28 a Yard. Window Shades at 25 cents aplece. Lace Curtains, Poles, Portieres, etc., in the same proportion. Call before purchasing.

REMEMBER THE PLACE.

37 to 41 S. Main St., Los Angeles. RETIRING FROM BUSINESS.

Walton & Wachtel,

Having Decided to Retire from Business, Offer Their Entire Stock

In All Grades, from the Cheapest to the Best Made in the United States,

AT COST!

This is the best opportunity ever offered in this city

to parties who contemplate furnishing dwellings, offices, etc.

214, 216, 218 S. SPRING.

WE ARE NOT Retiring from Business!

WE CARRY THE LARGEST, NEWEST AND BEST SELECTED STOCK OF FURNITURE, CARPETS, SHADES,

Curtains, Coverings, Etc. WE WILL NOT BE UNDERSOLD.

LOS ANGELES FURNITURE CO.,

259-261 N. Main St., Opposite Baker Block. JULIUS WOLTER.

Manufacturing JEWELER & WATCHMAKER, Also Dealer in Diamonds, Watches and All Kinds of Jewelry.

Fine Watch repairing. Any description of Gold or Silver Jewelry made to order and repaired. Old Gold and Silver made over, taken in exchange or bought. Fine gold and silver-plating. Meerschaum Ripes and Holders repaired.

20 S. Main St.; Los Angeles, Cal.

bats, Underwear. Etc.

We have decided to make a change in our lines, and to do that we have to make room immediately. WE ARE CUTTING THE PRICES!

This Sale is for a Limited Time Only

HALF: HOSE: FOR: MEN. English Orkney Merino, reduced from 40 cents to 25 cents. Fast Black Balbriggan, reduced from 35 cents to 25 cents.

All Wool Cashmere, reduced from 50 cents to 35 cents.

OTHER HOSE IN PROPORTION.

UNDERWEAR: FOR: MEN.

Natural Wool, reduced from \$150 to \$1.00. Brown Cashmere, reduced from \$1.75 to \$1.25. Best English Vicuna, reduced from \$3,50 to \$2,50.

GLOVES FOR MEN, \$1.00, \$1.25, \$1.50, \$2.00. OUR HAT DEPARTMENT.

Knox Silk Hats, reduced from 88,00 to 86.50 | Schiller, St. Louis Silk Hats from 86 to 84.00 | Philadelphia Silk Hats, " 87.00 to 85.00 | Black Cassimere Hats, " 85 to 83.50

DERBY (STIFF) HATS. Knox Hats, reduced from \$5.00 to \$4.00 | Our Special, reduced from \$4.00 to \$3.00 John 5. Stetson, reduced ** \$5.00 to \$5.50 | Our Leader, reduced from \$3.50 to \$2.50 | All other styles of Hats reduced in proportion. See our Window Display. OTE-The above prices are to cash buyers only.



And Men's Furnisher, UNDER THE NADEAU HOTEL.

The Coulter Dry Goods Douse.

OULTER!

(PECIALS For This Week.

25cts Oakland Mills, California, All Pure Wool Misses' Hose, sizes 7 to 8½ only; worth 50c.

Ladies' and Gents' Japanese Silk Handkerchiefs, Hemstitched, in Plain and with Borders, to 50cts close; worth \$1.00.

50cts Pure Wool Vests and Pants, all sizes; worth 90 cents to \$1.00. \$1.00 Gentlemen's Wool Cardigan Jackets, all sizes:

Oakland Mills, California, Misses' and Boys' All

worth \$1.50. \$1.40 Men's Navy Blue, Pure Wool, Miners' and Bailroaders' Overshirts; worth \$2.00.

Los Angeles Woolen Mills, Men's Scarlet Under \$1.25 Los Angeles Woolen Mills, Men's Scarlet Under shirts, extra long and good, manufactured by us; worth \$2.25; to close.

Men-shirts, 40 to 48 only; drawers, 36 to 44 only; worth \$2.25.

Striped Camel's Hair Shirts and Drawers, for

\$1.00 Mission Mills, San Francisco, All Pure Wool Men's Drawers, in white only, sizes 34 to 42; worth \$1.50. 75cts Men's Natural Wool Underwear—in Shirts, size 36 only; in Drawers, 32 & 34 only; worth \$1.25.

\$1 95 Men's A-1 Oakland Mills Drawers, in White only 32 to 38; A-1 Scarlet, all sizes in Shirts and Drawers; Worth &

75cts Men's Shetland Shirts Only, all sizes, the best value in U. S.; worth \$1.25.

Men's Scarlet All Wool Vests and Pants-Shirts,

Watch Our Front Windows for Values.

Visit Us. No Trouble to Show Goods.

sizes 40 to 46; Pants only, 36 to 42; a good value at \$1.50.

DRY GOODS HOUSE. 101, 103, 108 SOUTH SPRING ST., COR. SECOND.

Furniture.



W. S. ALLEN,

FURNITURE

CARPET STORE 240 AND 242 S. SPRING ST.

We extend an invitation to all to examine goods and get prices.

HALL & PACKARD'S ABLAZE!

14 lbs dry Granulated Sugar....\$1.00 | Fine Tea..... 16 lbs Brown Sugar \$1.00 9 Pounds of Beaus Best Hams 13te Can of Coal Oil or Gasoline Pork. 11c
10-pound Tin of Lard 90c
5-pound Tin of Lard 50c
10-pound Sack of Meal 20c
10 Cans of Oysters \$1.00
Arbuckle's Coffee 25c
7 Cans of Namon \$3.00
Arbuckle's Coffee 50c
10 the result of Name 10c
10 the result of Name 10 All other goods reduced in above proportion. A large and complete stock to select from, and more coming. Call and see your friends.

HALL & PACKARD,

NEW STORE! NEW GOODS! NEW PRICES! REDUCED FROM \$7 TO \$5.50. Remember the new location.

341 and 343 S. Spring St. Telephone 546.

Security Savings Bank

AND TRUT CO.,

FARMERS' AND MERCHANTS'

STOCKHOLDERS:

O. W. Childs,
L. L. Bradbury,
Philippe Garnler,
James B. Laukershim,
J. L. Duque,
Jose Mascarel,
Chas, Ducommun,
Frank Lecourreur,
Sarah J. Lec,
Chris Henne,
Chris Henne,
STOCKHOLDERS:
Andrew Glassell,
Camero B. Laukershim,
Coming Amestoy,
Louis Polaski,
L. C. Goodwin,
Froley C. Baker,
Oliver H. Bliss,
Estate D. Solomon,
Sarah J. Lec,
Chris Henne,

Term deposits will be received in sums of the sum of th

CALIFORNIA BANK.
Cor. Fortand Second Sts., Los Angele

General banking and exchange busine

OF LOS ANGELES.

UNITED STATES DEPOSITORY.

E. F. Spence, William Lacy, J. D. Bicknell, J. F. Crank, B. H. Mott, H. Maybury,

President.
F. C. Howes, Cashier.

UNITED STATES DEPOSITORY.

ange for Sale on all the Principal Cities of the United States and Europe.

NADRAU BLOCK, Cor. First and Spring sts., Los Angeles,

Col. H. H. Markham, John Bryson, Sr. th, F. C. Howes, Goo. H. Bonebrake.

President
Vice-president
Cashiet
Assistant Cashiet

FIRST NATIONAL BANK

L C. GOODWIN....

Capital ...

BUSINESS.

Money, Stocks and Bonds. By Telegraph to The Times.

NEW YORK, Dec. 81.—Money on tight at 6@18 per cent.

Prime mercantile paper, 5% (@7) Sterling exchange, quiet and steady; 60 by bills, 4.79; demand, 4.83.

American cotton oil, 31.

Government bonds, dull but easier. New York, Dec. 31.—The stock market today offered a marked contrast to that of yesterday, strength replacing weekness, while duliness was again the most promi-nent general feature of dealings. Money was again up to high figures, but in con parison with yesterday was easy, ranging up to 18, but with the bulk of business done at from 10 to 15. The bulls seem to have re vim, but after all did little to help prices up, and the day was one of covering of shorts, many operators closing out their contracts for the year, which made a sharp upward movement in many stocks. Foreign uses which were conspicuous sellers yes were today prominent as buyers, the impression that the scare was giving the impression that the scare wa over in London. The close was dull bu firm, generally at the best prices of the day.

NEW YORK, Dec. 31.

NEW YORK MINING STOCKS.

Boston Stocks.

BOSTON, Dec. 31.—Closing quotations:
Atchison, Topeka and Santa Fé first 7s,
—; do. land grant 7s, —; do railrod,
33½; Chicago, Burlington and Quincy,
107; Mexican Central common, 18½; do.
bond scrip, —; do. first mortgage bonds,
69½; San Diego, 21.

Silver Bars.
SAN FRANCISCO, Dec. 31.—Silver bars, 95@95%c per ounce. NEW YORK, Dec. 31.—Bar silver, 95c per

Grain.

Grain.

San Francisco, Dec. 31. — Wheat: Very dull; buyer season, 1.3634; buyer 1890, 1.404. Barley: Very dull; buyer season, 9134c.

San Francisco, Dec. 31. — Wheat: Nothing doing. Barley: Nothing doing; buyer season, 9134c. Corn: 95c@1.124.

CHICAGO, Dec. 31. — Wheat: Lower; December, 77%c; January, 7734c; May, 824c.

Corn: Lower; December, 24; January, 29%@294c; May, 324c. Gres: Nominal; January, 20%c; May, 234c. Rye: Nominal; January, 3334c.

Barley: 88@60c.

New York Market.

New York, Dec. 31.—Coffee: Options opened steady and unchanged to 15 points down, and closed dull and 5 points down to 15 points up; sales, 16,000 base; January, 15.65@15.75; February, 15.55@15.60; March, 15.65; May, 15.75@15.80; June, 15.80; spot Rio, steady and quiet; fair cargoes, 19%c; No. 7, 17c.

Sugar: Raw dull but states.

No. 7, 17c.

Sugar: Raw, dull but steady; refined, steady and in fair demand.

Copper: Dull but stroog; lake, 14.20.

Lake: Steady; demestic, 3.93.

Tin: Quiet and easy; straits, 21.10.

Hops: Firm and quiet.

Wool, NEW YORK, Dec. 31.—Wool: Quiet and rm; domestic fleece, 32@38c. Boston, Dec. 31.—Wool; In fair de-and. Territory and other unwashed wools mand. Territory and other unwashed wools are steady, and sell at previous prices. The past year has been an unfavorable one for the wool trade, and but little money flas been made in the staple by eastern dealers. Still, few failures have occurred, and it is thought that a conservative method of business in the future will doubtiess bring about a better condition of affairs.

Live Stock.

Live Stock.

Chicago, Dec. 31.— Cattle: Receipts, 6000; market strong and 10c higher; beeves, 3.00@5.15; stockers and feeders, 2.10@3.05; cows, buils and mixed, 1.20@3.90.

Hogs: Receipts, 23,000; market strong, and 5c higher, closing weak; mixed, 3.55@3.75; heavy, 3.55@2.8234; light, 3.53@3.80.

Sheep: Receipts, 4000; market strong and active; natives, 3.56@3.55; western cornfed, 3.50@5.10.

Petroleum.

Petroleum.

New York, Dec. 31.—Petroleum: The market opened steady at 1.034, and after moving up slightly became weak and declined to 1.01%. A sharp rally followed, and the market closed firm at 1.02%. Stock Exchauge—Opening, 1.034; highest, 1.034; lowest, 1.01%; closing, 1.034; highest, 1.034; lowest, 1.01%; closing, 1.03%. Sales, 578, 000 barrels.

Dry Salted Meats. CBICAGO, Dec. 31.—Dry salted meats: Shoulders, 4 19%@4.25; suort clear, 4.90@ 4.95; short ribs, 4.05@4.70.

Pork. Cricago, Dec. 31.—Pork: Higher: Janu-ry, 9.10; February, 9.27/4; May, 9.62/4.

CHICAGO, Dec. 31.—Lard: Higher; January, 5.85; February, 5.87% (5.90; May, 6.05) (6.07) Lard.

Whisky.

CHICAGO, Dec. 31.-Whisky: 1.02.

Los Angeles Markets. Los Angeles Markets.

POULTRY—Hens, No. 1, per doz, 5.00 bid, 5.50 asked; old roosters, per doz, 4.50 bid; young roosters, per doz, 5.00 bid; young roosters, per doz, 5.00 bid; broilers, large, per doz, 3.75 bid, 4.00 asked; broilers, smail, 3.25 bid, 3.50 asked; turkeys, per lb, 18c bid; ducks, 1-rge, per doz, —; ducks, small, per doz, 4.00; geese, 1.00 each, LARD—3 lb pails, 11c; 5-lb pails, 10%(c; 4.01) tills, 10%(c).

LARD—3 lb pails, 11c; 5-lb pails, 10%c; 40-lb tins, 10%c. 40%c. 40

lbs., 40e.

BEANS AND DRIED PEAS—Pink No.
1, 1.85, 2.25 asked; bayous. —; Lima, 2.95 bld; navy, small, 1.85@2.25; Garvanzos, 2.25.

bid; navy, small, 1.8506.250; Garvanzos, 225.

APPLES—Evaporated, 8½c; Hunt's Alden, 8½c; sun-dried, 7½c.

CHEESE—Large, 11½c; small, 12½c; Shil, choice, per lb, Callfornia, 25c; castern, 25c.

POTATOES—Early Rose, local, 1.80; Hallet & Hidden, Proprietors.

Early Northern, 1.50; Peerless, 1.50; Oregon Burbanks, local, 1.50; Red River Northern, 1.25c; sweet potatoes, yelow, 40c; red and white, 40c. EGGS—Fresh ranch, 30c bld, 31c asked; castern, 25c.

EGGS—Fresh ranch, 30c bld, 31c asked; eastern, 25c.

PROVISIONS — Breakfast bacon, canvased or without, 11½c; light clear, 15c; clear medium, 12c; medium bacon, 12c; heavy bacon, 11c; shoulders, 6c.

VEGETABLES—Chiles, per string, 75c; garlic, 3c; cabbage, per 100 lbs, 50c.

NUTS—Walnuts, new Los Nietos, 7¼c bld; old, 5c; peanuts, California, 5c; almonds, 8.8, 16c; do., h.8., 14c.

HONEY—Extracted, light, 5c bld, 5½c asked; job lots, 6½c; amber, 4½c/35½c.

BEESWAX—Per pound, 18c bld, 19¼c asked.

asked.
CITRUS FRUITS—Lemons, 3.50 bld.
CRANBERRIES — Cape Cod, per lb,
10.00; Beil & Bugle, 11.00.
DRIED FRUITS—Peaches: Sun-dried,
No. 1, —c bld; No. 2, 10c bld; sun-dried,
peeled, No. 1, 15c bld. Apricots: sun-dried,
10% c bld, 12c asked. Prunes: California
French, 6c bld, Sc asked; California German, 7c.

man, 7e. FLOUR - Los Angeles XXXX extra family patent roller, 4.50; Capitol Mills extra family patent roller, 4.50; Pioneer,

extra family patent folief, 4.50; Floneer, 5.10.

CORN—Large yellow, carload lots, 75c bid, 85c asked; small yellow, 72c bid; 825/c asked; large white, 70c bid, 80c asked; small white, 75c bid, 85c asked.

GRAIN BAGS—New Calcuttas, 7c; potato sacks, 45c.

OATS—Feed. No. 1, 1.50.

BARLEY—Feed No. 1, 1.60, 65c bid, 67c asked; brewing No. 1, 675/c bid, 75c asked.

MILL FEED—Bran, 18,00; cracked corn, 1.50; cracked barley, 85c bid; ground barley, 85c bid; ground barley, 85c; mlxed, 80c; corn and barley, 1.10.

Real estate Transfers.

[Reported by the Abstract and Title Insurance Company.]
[Only those transfers of \$1000 and over are specified below. Those below \$1000 are summarized at the end of the list.]

TUESDAY, Dec. 31, 1889. CONVEYANCES. J W Marshall and M A Marshall to William F Snodgrass: Nine and three-fourths acres of E ¼ of N ½ of SE ¼, section 11, township 1 S, range 10 W, \$1500.

Ellen Jane Kensella, executrix of last will and testament of James Kensella, deceased, to Board of Education of city of Los Angeles: Lots 1, 2, 3 and 4, James Kensella's subdivision, part of lot 6, block 73, H S, \$2000.

sella's subdivision, part of lot 6, block 73, H S, \$3000.

Olive E Crawford to Mary L Crawford: Lot 3, E part of Bush & Crawford's subdivision, city, \$2000.

Mary L Crawford to Olive E Crawford's Undivided ¼ Interest in lot 4, W G Krutz, Jr. C E Mackey and W F Gill's subdivision, part ot. Longstreet tract, \$2000.

E F Flekering to John S Baker! Lots 21 and 23, block 116, Long Beach, \$1000.

H W Magee to Harriet McCord Allen: Lot commencing on S line of Colorado street 7½ feet W of NE corner of lot 1, block I, San Pascual tract, \$2000.

James A Barrows and C S Barrows to W E Hughes: W 100 feet of lot 4, block I, Milton Thomas tract, \$200.

WE Hughes C Redondo Railway Company: W 100 feet of lot 4, block I, Milton Thomas tract, \$200.

SHIPPING INTELLIGENCE.

PORT OF SAN PEDRO. ARRIVED-DECEMBER 31sT: ARRIVED—DECEMBER 31ST:
Schr Laura Thayer, McVicar, master, with 245,000 feet lumber from Humboldt for W. H. P. Lumber Company.
Schr J. B. Leeds, Peterson, master, from Umpqua with 267,000 feet lumber, for J. M. G. Lumber Company.
Schr Laura May with 300,000 feet lumber for S. P. Lumber Company. SAILED-DECEMBER 31ST;

Str Corrona, for San Francisco, with 47 ons freight.

MARRIED.

VIELE—WEBSTRR—At the Whitpile House.

December Sist, a quiet wording took place in the apartments of Dr. and Mrs. R. W. Bills, sister of the bride, Mrs. Mary Webster of New York city to Mr. A. J. Viele of Senta Monics. Rev. W. J. Chichester, D. D., officiating. No card.

BORN.
ANDERSON-To Mrs. G. L. Anderson, 109
York street, December 30th, a son, named
Frank Stockton.

DR. STEINHART'S

The Oldest Remedy of Its Kind on the Pacific Coast.

libly and permanently sperms torrhora, nightly emissions. Impolency, wasting away of the private parts, exhausted vitality, depression of sprits, and the many other diseases produced by abuses in youth or excesses in maturer years. This remedy has cured thousands when all others have falled, PRICES-E.56 in liquid or pill form, or five times the quantity, \$10. Address

DR. P. STEINHART, Rooms 7 & 8, No. 1151 W. First St., Les Angeles, Cal.

Office hours, 9 a.m. to 3 p.m. Sundays, 10 to All communicat ons strictly confidentia

The Celebrated French Cure. Warranted "APHRODITINE" Or money ES SOLD ON A POSITIVE GUARANTEE

To cure any form of services and discass or arising from the excessive use of sinusents. It coaces or ordina, or intrough youthful indiscretion, over-indulgence, etc., such as Loss of Brain Power, Wakefulness, Bearing Down Palas in the Back, Seminal Weaknesses, Hysteria, Nervous Prostration, Nocturnal Binissions, Leucorrees, Dizziness, Week Memory, Loss of Power and Impotency, which if neglecte, often lead to premature old age and insanty. Price, it a box, a boxes for the centre of the control of

A Speedy Cure Warranted. DR. BELL'S GERMAN EXTRACT cures all private sypbilitie, chronio, urin-ary skin and blood diseases, female com-plaints, and all such diseases as are brought ours all private syphilitie, chronic urinnry skin and blood diseases, female complaints, and all such diseases as are brought
about by indiscretion. 21. Dr. Bell's French
Wash cures all private diseases, blood poison,
oid sores and whoers. G. & G. in 2 or 3 days, 31.
No preparation on earth equal to it. For sale
only at the Berlin Brag Store, 405
south Spring St., Los Angeles, Cal.

EMPIRE

Livery and Boarding Stables

Prescriptions carefully compounded day or

SWORN STATEMENT OF THE CONDITION OF THE

FARMERS' AND MERCHANTS' BANK Of Los Angeles, at the close of business December 11, 1889. ASSETS: Cash on hand 8590,918.76 Cash on call with banks and bankers 1,829,579.42

11.790.45 Capital (paid up).
Surplus
Ludivided profits
Due depositors
Dividends (declared and uncalled for).

\$3.965,503.06 Isaias W. Hellman, president, and H. J. fleishman, secretary, of the Farmers' and Merchants Bank of Los Angeles, being severally duly sworn, each for himself says the foregoing statement is true to the best of his through the statement is true to the best of his through the statement of the sta

President.

(Signed) H. J. FLEISHMAN:
Secretary.
Subscribed and sworn to before me this 26th
day of December, 1889.
(Signed) FREDERICK HARKNESS
(Seal.) Notary Public.

SWORN STATEMENT SHOWING THE CONDITION OF THE SECURITY SAVINGS BANK AND TRUST * COMPANY

Of Los Angeles, Cal., at the close of business (Commenced business February 11, 1889.)

LEABILITIES. Totals \$231.886.12 \$231,686.13

STATE OF CALIFORNIA,
COUNTY OF LOS ANGELES, SS.
We do solemnly spear that we have (and
each of us has) a personal knowledge of the
matter contained iff the foregoing report, and
that every allegation, statement, matter and
thing therein contained is true, to the best of
our knowledge and belief.
(Signed) F. N. MYERS,
President.

(Signed) F. N. MYERS, President.
(Signed) J. F. SARTOKI,
Cashier.
Subscribed and sworn to before me this 31st lay of December. 1889.
(Signed) H. E. STORRS,
(Seal.)

REPORT OF THE CONDITION THE LOS ANGELES NATIONAL BANK, At Los Angeles, State of California, at the close of business, December 11, 1889.

RESOURCES: Loans and discounts......
Stocks and bonds.....
Banking-house and fixtures.
Expenses and taxes paid.....
AVAILABLE CASH: 1,148,108.06

\$2,231,923.69 LIABILITIES:

DIVIDEND NOTICE.

Main Street Savings Bank

Dividend No. 1 of the Main Street Savings Bank and Trust Company for the six months ending January 1, 189, has been declared by the board of directors payably on and after January 1, 189, at the rate of h-per cent, per annum on term deposits and 3 per cent, per annum on redinary descriptions.

nary I, 1892, as the deposits and 3 per conum on ordinary deposits.
FRANK W. DE VAN,
FRANK W. DE VAN,
Feoretary and Cashler THE UNIVERSITY BANK
OF LOS ANGELES.
No. 120 New High Street. Capital Stock, paid up....

R. M. Widner, S. W. Little, C. A. Warner, D. O. Miltimore, C. M. Wells, L. J. P. Morrill,

R. W. POINDEXTER. AND GENERAL FINANCIAL AGENT.

SOUTHERN CALIFORNIA NA-Money leared on approved securities.

REMIS COLLECTED.

Property field in trust and funds in vested for parties desiring a fiduciary agent.

REFERENCES: First National Bank. Los Angeles National Bank. State Loan and Trust Co-

THE NATIONAL BANK OF CALIFORNIA, Spring and Second Sts , Los Angeles.

CAPITAL - - - - - \$250,000 Is fully equipped for every kind of legitimate banking, and solicits the accounts of all needing a banker.

BOARD OF DIRECTORS: Thomas R. Rard, Dr. W. L. Graves, E. F. C. Klokke, Gen. M. H. Sherman, Capt. Geo E. Lemon, Dan McFariand, Fred Eaton. J. M. C. MARBLE, President. W. G. HUGHES, Cashier. O. H. CHURCHILT, Vice-Fresident, PERRY WILDMAN, Ass't Cashier.

MAIN STREET SAVINGS BANK

AND TRUST COMPANY. NO. 326 SOUTH MAIN STREET. PRESIDENT.....J. B. LANKERSHIM. VICE-PRESIDENT.....CHARLES FORMAN.
CASHIER....F. W. DE VAN.

CAPITAL, \$200,000. FIVE PER CENT. INTEREST PAID ON TIME DEPUSITS. J. N. VAN NUYS, F. SABICHI, J. H. JONES, GEORGE H. PIKE CHARLES FORMAN, A. H. DENKER, J. J. SCHALLERT. G. J. GRIFFITH,

THE ANNUAL MEETING OF pany, for the election of directors, and for the transaction of such other business as shall come before the company, will be held at the office of the company, will be held at the office of the company, will be held at the office of the company, will be held at the office of the company, in the office of Pomeroy & Gates, 16. Court street, in the citr of Los Angeles, on Monday, the 18th day of January, A. D. 1800, at 3 o'clock p.m. All stockholders are requested to be present.

December 14, 1889.

Notice.

Di-Solution.

NOTICE 1S HEREBY GIVEN that the copartnership of G. G. Garvin and L. E. Meredith, under the firm pame of garvin and the sales of the

C. F. HEINZEMAN. Druggist and Chemist.

Notice—Los Angeles Oil Company.

THE ANNUAL MEETING OF THE ANNUAL MEETING the stockholders of this company will be beld on Monday, the 8th day of January, 180, at 3 o'close the stockholders of the stockholders, 180, at 3 o'close the stockholders of the stockholders of the stockholders of the stockholders of directors for the ensuing year, and for the transaction of such other business as may come before it.

Los Angules, Doc. 21, 1888

W. J. NEELY, Secretary. NO. 122 N. Main St., Los Angeles, Cal,

OUR PREMIUM

WOH-ARK

SEWING - MACHINE!

TESTIMONIALS:

NO. 40 S. MAIN ST. LOS ANGREES, CAL.

F.N. MYERS, S. A. TUSMENO, J. F. SARTORI,
President, Vice-President. Cashier.
STOCKHOLDERS:

Isalas W. Hellman,
J. A. Graves,
A. C. Rogers, M.D.,
Samuel Polaski,
John H. Pohlhaus,
Naihan Weil,
James Rawsou,
Hattry Blackmann,
H Following are letters received by the Times-Mirror Company from subscribers who have purobased the Premium Sewing-machine through us: FIVE PER CENT INTEREST PAID ON DEFOSITS.

ON DEFOURTS,

The notice of the publo is called to the fact that this bank only leats money on approved real-estate securit; that it does not lean money to its stockholers, officers or clerks; that among its stockholers are some of the coldest and most responsible citizens of the community; that, under the State laws, the private estates of its stockholders are prorata liable for the total indebtedness of the bank. "GIVING PERFECT SATISFACTION."

J. W. Hoes, Pasadens, writes: The TimesMirror Sewing-modoline is giving perfect estisfaction: in my opinion it is as good as any
flommobine. I have not done any heavy work
on it yet, but I think it will do it all right. "RIGHLY PLEASED WITH IT."

Mrs. Edwin Brown, Los Angeles: In reply to yours of 28th would state that I am highly leased with the Fremium Bewing-machine I received with the Minnon. Gives every satisfaction; so casy to learn how to managed does such excellent work; in fact camput praise it too much, and would not take twice the amount it date. bank.
These facts, with case exercised in making loans, insure a safe decository for saving accounts. School teachers, clerks, mechanics, craployees in factories and shops, laborers, etc. will find it converient to make deposits in small amounts.
Financial agosts for eastern and San Francisco captal. Money to loan on ranches and city property. Bonds and mortgages bought. Remittances may be sent by draft or Wells-Fargo Express.

'THE MORE WHUSE IT THE DETAIN WE LIKE IT."
Mrs. S. A. Ware, Pasadena: I here used your sewing-machine since last July. This more we use it the better we like it. On flass and abany work it is splended. We have tried the attachment. In fact it goes shead of your advertisement so far. STATE LOAN & TRUST CO.

Capital, \$1,000.000.

BANKING ROOM, N.W. CORNER SPRING.
AND SECOND STREETS, BRYSONBONEBRAKE BUILDING.

"LIKE IT SETTER THAT THE \$255 SINGUA."
JOSEPH Wilson, Los Angeles: The machine pives entire actisfaction. My wife lines it better than the \$155 Singer that it has replaced.

BONEBRAKE BULLDING.

DIRECTORS:

GEO. H. BONEBRAKE, President,
JOHN BRITSON, SM., Vice-Presidents.
E. F. SPENCE,
H. C. Witmen,
H. J. Woolscott,
W. G. Cochris,
W. G. Cochris,
W. H. Perry,
We act as trustee for corporations, syndicates and estates. Lean money on choice real estate and collateria. Keep choice securities for sale. Pay injerest on savings deposit Five per cent. paid on time deposits. Safe doposit bexes to rent.

William P. Wade. Los Angeles: The report of the chief engineer of the sewing department of my demestic establishment is to the sicot that the sewing-machine lately farished by you for \$22 arrived in good order and in due time, and has given entire satisfaction. It runs lightly and with very little acise and perfection all kinds dewing work with the exception of buttons. [When the freight is paid to Los Angeles by the Times-Mirror Company the price is \$35.50.]

TREED 'HE ALL AND LIKES THE MIRROR HAVE CHINE REPE."
WITHING IL. Price, IlS Temple street, Lee Ampreles: My wife tried several \$75 magnings, and chose the Mirror Fremium Sewing-mashine as an equal to the best in the market, for one-fourth of the senses. It is perfect is all particulars, and admired by all who see it. My wife has been using it several months, and we both cheerfully recommend it to the public as perpendical. LOS ANGELES SAVINGS BANK.

THE RIGH-PRACED ARTICLE."

C. E. Spencer. Les Angeles: Having sold articles of the 'emington Sewing-machines for \$85, which you've now offering with the WERELY MIRHOTE at \$22, 1885,50 when freight the massive you offer is identically the same at the high-priced article, both as to material, workmanship and capacity. Being a resident bere and an experienced sewing-machine man, I will take pleasure in instructing any one working the machine, in this place or violaty.

"Mrs. J. W. Stringfield. Pomous: The High arm Mirror Sewing-machine came in good time. in excellent condition, without scratch or blesskip and Jam delighted with it. Wa believe the machine is all that you recom-mend it to be, and think it a rare opportunity for those who may wants machine to get;) first-class one cheap.

"PERFECT IN EVERY RESPECT."
Mrs. E. C. Cranston, Norwalk: There Premium Machine arrived in pri arm Premium Machine arrived in prime con-cition, and is perfect in every respect. Freight 25.50, with first cost added, making \$22.50 for as good a machine as is usually sold through accusts for \$75. Well pleased. (\$25.5) when freight is paid to Los Angeles.]

"YEAR MUCH PLEASED WITH IT."

Mrs. Martha Allison, Downey: I am very much pleased with my machine as far as I have used it. and feel rafe in saying that have just as good a machine as if I had given 180 for it. Shall advise any of my friends to try this before buying any other, as I think is is fully as good as represented. "BUNS LIGHT AND RASY - DORS ITS WORK

WELL." 8. M. Shaw, Pasadena: I can say in regard to the machine that it is well liked. It runs' light and easy, and does its work well. It is a very cheap machine at the price you fro-nish it.

"EQUAL TO THE BEST SHE RYSE USED."
William T. Parcel. Compton: The High-arm
Sewing-machine ordered from your company
was received in good order, and Mrs. Parcel
says it is equal to the best of any other kind
she has everused.

"PROVES SATISFACTORY."
W. F. Beadler, San Gabriel: The sewing meetine we received through your office proves satisfactory.

and my wife thinks it the best she ever used;

"MORTENED THE SCHEM AND SEE RUIS ALE
"IGHE."

I. A. Myers. Newhell: Yours of the latines, received. Will say in reply that soon after I wrote you I discovered the cause of the crouble. The little tension screw in the shuble bad worked loose and was nearly out, and the shutle thread, in sewing fast, would catch at the screw and break. I tightened the screw and it now works like a charm; no more breaking thread or irregularity of stitch.

ONE OF THE BEST INVESTMENTS THEY EVEN MADE."

Mrs. U. L. Shaffer. Orange: We received our High-armed Sewing-machine in good order, and I am wery much pleased with it, and consider it one of the best investments we ever made. It is nicely finished, and runs strong and light doing nice work. Any one needing a good machine I do not think can do better that invest \$22 in the machine and Mirros, for \$25.00 when the Company pays freight to Los Angeles.]

"EQUAL TO ART 855 MACRICE."

Mrs. A. W. Worm. Los Angeles: For the benefit of those who stand in need of a good sowing-machine. I will say that after using the premium Machine for about four months, undit equal to any 96 machine i have seen.

Weekly Mirror for One Year POR EEG.50 CAPIL

BUY OUR REX

FANCY CURE DELICIOUS. TRY IT.

RUNS ESCOTE—AND SEWS EVERYTHING DO

LOS ANGELES NATIONAL BANK

J. W. McLeilan, Tustin City: We recover

SUPERIOR IN SOME RESPICTS TO THE DEST.*

S. A. Mattison, Los Angeles: My wife and laughter are well pleased with your TimesMirror Sewing-machine. They have used sevral of the best makes of machines, and yessay your machine is superior in some respects
s those they have used, and in, no way inferior. They were at first afraid, as many are,
no doubt, that it is too cheep to be directions,
but are now satisfied that it is as good as
sachines costing three or four times as much.

TIGHTENED THE SCREW AND SHE RUNS ALL

MCRETHAN SATHWIND AND GLADLY RECOMMRADS IT."

Martha M. Shaffer. Orange: I thank you fos
sending to me for testimonials, as I have set
any new machine in the parlor without eves
threading it, as I was very busy and had a
rood machine ready for work and used to
running. So I did not take time to do anyling with the new one until I received your
batter. Then I brought mine and went to
running it to test it. I was more than satisled and gladly recommend it to those wha
lord a machine. I think I would have gained
that to have used it long ago.

THIS MACHINE-

THERSHIRROR COMPANY,

OUR "SPECIAL BRAND" IS THE BEST.

-ABSOLUTELY-

Take No Others

REX

BACON!

FANCY CURE

DELICIOUS

RVERTWEERE.

SOLD IN SOUTHERN CALIFORNIA.

(FACSIMILE) Take No Other. CUDAHP HAM!

BOLD EVERYWHERE

> TRY OUR CANNED MEATS. We Guarantee Them the Pinest on the Market. The Trade Supplied by Wholesalers Generally.

W. H. MAURICE, Agent, 26 N. Los Angeles Street,

ORANGE LANDS!

10-TEN YEARS' TIME-10 IN THE FAMOUS FOOTHILL BELT,

WEST HIGHLANDS, Two miles northeast of San Bernardino. One inch of water to each seven acres, "piped." Ten per cent. cash baiance in loyears, at 7 per cent. interest. For particulars and maps address C. H. RHODES, General Agent, Secretary and Treasurer, Room 28, BRYSON-BONEBHAKK BLOCK, Los Angeles, Cal., or Real Estate Agents, Los Angeles, Cal.

3 Rew premrum.

Something for the Ladies!

A NEW PREMIUM. WE KEEP UP WITH THE TIMES.

How to Shade Embroidered Flowers and Leaves

Illustrated with Colored Plates and Engraved Patterns.

BY ELLEN G. SMITH. Given as a Premium to Each New Subscriber to

THE WEEKLY MIRROR!

Price, Including Paper One Year, \$2,

This beautiful book is the most practical work of the kind that has ever been printed and will be warmly welcomed by our readers. Its author has had a long and extended experience in artistic needlework, and in this volume she has carefully set forth the results

of her study and labor in this fascinating department of art.

She has illustrated her work by means of COLORED PLATES, each one of which is made directly from the piece-of embroidery which it represents. On one page of the book she shows an outline pattern of the leaves, and on the opposite page is a peau COLORED PLATE showing the pattern as it appears after it has been properly worked.

This plate shows the exact colors that were used in doing the work, and the outline pas-

tern is lettered and numbered, and the author gives full directions for working the oc THERE ARE EIGHT OF THESE COLORED PLATES, AS FOLLOWS:

Golden Rod,

Wild Roses,

Autumn Leaves

Tulips, Morning Glories, Thistles,

Pansies

Any lady can master the beautiful art of embroidery in colors without any other instructions than this valuable book gives. THIS WORK IS PRINTED ON HEAVY TINTED PAPER and is bound with beautifully illuminated cover. It is such a book as ordinarilly sells in book stores for \$2, but because it is a volume espe

needs of every household we have put the price within the reach of all. We will send the Book, postpaid, on receipt of \$1.

Book and Weekly Mirror one year - - - \$2 THE TIMES - MIRROR COMPANY

Corner First and Fort Streets, Los Angelss, Cal

MIRROR PREMIUM!

- ANOTHER--

New Subscribers to the Weekly

UPON THE PAYMENT OF \$1.75.

Mirror for One Year,

-WILL GET-

"THE FAMILY PHYSICIAN,"

A Very Valnable Work Which Should be in Every Family.

IN PASADENA THE TIMES is served regularly by ing, to the residences and business places of citizens, at the same price harged in Los Angeles.

The Pasadena Edition is now pub-lished every day, and the matter on this page runs through the entire issue; so that Pasadena and her ad-vertisers get the full benefit of the Timescirculation.

The Times.

PASADENA DAILY EDITION. BRANCH OFFICE, No. 26% E. COLORADO ST

EDITORIALS.

1890.

MANY happy returns of the day. THE year is dead. Long live the year!

THE diary and good resolution now

THE year past will be a dark one in history. Floods, accidents, fire and famous tournament. The ground has disaster seem to have been uncombeen put in shape by Superintendent mouly prevalent.

Ho, for the tourney! If the sun shines this morning as it should, Sportsman's Park, on Los Robles avenue, will not hold the crowd.

THE roads are in running order again, showing a remarkably recuperative faculty on the part of railroad men. Even experts gave them another week to get things in shape.

THE belated eastern mail was delivered late last night, bringing much delayed information, joy and serrow, to many. Tons of Christmas presents, it is said, still linger in the Cajon Pass, paying tribute to Jupiter Pluvius at the gates of his particular paradise.

THE ball at the Kaymond last night was the brilliant success that was expected, and was the most brilliant as-semblage of dancers seen in Pasadena for a long time. Many of the cos-tumes were very beautiful, and the general effect was striking in the ex-

THE mistakes made in 1889 can b corrected in 1890. It is never too late to mend. This morning dawns on a season of rich promise. A full harvest is assured. The city looks well, is improving every day; in fact, things are moving forward, and 1891 will find way. These are the signs of the times.

PASADENA CITY COUNCIL.

Meeting of the Board of Trustees Yesterday. The Board of Trustees meet in adjourned session yesterday morning and transacted the following business:

The minutes of the last meeting were

read and approved.

The committee on streets and alleys reported in favor of closing Fulton street.

A resolution to this effect was passed.

A resolution of intention to widen
Main street, between Fair Oaks and
Raymond avenues, was passed.

The bid of J. P. Mushrush to grade
Oid Fair Oaks avenue was accepted

were passed and ordered published.
The Committee on Fire and Water
was instructed to direct the contractor
to place the fire hydrants in accordance

with contract.

Bids to grade Marengo avenue between California and Glenarm were opened and read as follows:

O. S. Picher, W. P. Forsyth and Adam Becker, 28 cents per lineal foot;
J. P. Mushrush; 32 cents per lineal foot;
J. P. Mushrush; 32 cents per lineal foot;
J. P. J. S. Cents per lineal foot;
J. P. Mushrush; 32 cents per lineal foot;
J. P. Mushrush;
J. P. Mush

A communication from A. W. Berry, asking for a rebate on taxes in the sum of \$17.27, was read, and, on motion, ordered paid.

A petition for rebate of taxes from the West Coast Lumber Company for \$2.17, and one from the L. W. Blinn Lumber Company for \$1.27, were received, and ordered paid.

Committee on Fire and Water asked for further time in which to report on the contract with the Electric Light



BY MAIL, \$9 A YEAR.

WEDNESDAY MORNING, JANUARY 1, 1890.

TODAY'S RODEO.

THE TOURNAMENT - ARE YOU READY ?-GO!

Horses, Men, Bicycles, Boys, Girls Ponies and Burros - The Great Event After Days of Excite

For the last two days the grounds of the Sportsman's Park on North Los Robles avenue have been crowded with those who propose entering the now of Streets Vore, and a fine race-track waits the flyers this morning.

Yesterday fast horses went round track like mad, Mr. Volkmar. Mr. Senter. Dr. Rowland, Mr. Vore and Whit Elliott putting their

place among all the hunt clubs of the East, and from the interest taken is evidently going to be a success here. The hunt owns among its members some of the finest grey and staghounds in the country, those of Mr. Outhwaite, Dr. Rowland, Mr. J. de Barth Sherb, Jr., and Mr. Bandini being the best known. The club has also a pack of fine foxhounds which are used at hunting the fox, coyote and wild cat. They came from the famous Rose Tree Hunt in Medea, Pa. The meets of the hunt and the exciting sport have often been described in The TIMES, End the St. Nicholas of November has an illustrated article telling the complete story of a day with the hunt club.

The order of exercises today will be

PROGRAMME.

1. Men's foot race.
2. Boys' foot race for 15 years and un-3. Men's foot race, 220 yards. 4: Hurdle race, 120 yards.



Hurdle race-Taking the last hurdle

horses over the hurdles in great shape. Dr. F. F. Rowland's proved herself a noble jumper, taking the high fence-like a bird, indeed the hurdle prepared was a mere bagatelle for her. On the was a mere bagatelle for her. On the center several gentlemen, notably Mr. Livingstone and Dr. Sherk, practiced at the rings, and will undoubtedly take the prizes for that event unless some one else does. Col. Volkmar, U.S.A., spent an hour or so on the track, while a number of members of the Valley Hunt Club were on hand, overseeing and preparing for the sport today. Some facts regarding the hunt, under whose auspices the tournament is given may interest the

Boys! orace, 10 years and over.
 Boys' pony race, ½ mile.
 Boys' pony race, ½ mile.
 Girls' pony race.
 Boys' pony race.
 Pasadena vs.

Half mile dash for horses. 12. Half mile dash for hors14. Tug of war.15. Knights' ring tourney.

The first event will start promptly at 10 p. m., entrance on Los Robles avenue, and, as the programme is a long one, the races will be pushed as much as possible. The prizes are many and handsome, there being two or three, it is believed, for each event, a list of which was given in THE TIMES of yesthe hunt, under whose auspices the tournament is given, may interest the reader. The club was gotten up to encourage manly and womanly sports, especially cross-country riding—atter greyhounds, a jack-rabbit or coyote being supposed to be before the dogs.

The club officers are: Charles Frederick Holder, president; Clarence S. Martin, vice-president; F. N. Cole, secretary; Ernest May, treasurer; Robert Vandevort and Dr. Ward



Knights riding at the rings.

O. S. Picher. W. P. Forsyth and Adam Becker, 25 conts per lineal foot. J. P. Mushrush, 32 costs per lineal foot. J. M. Mushrush, 42 costs per lineal foot. J



It will be seen from this that the flectric Light Company.

The Council then adjourned to meet Saturday, January 4.

PERSONALS.

W. S. Gilmore is again about, after several days of illness.

James L. Patterson of Calico registered at the Webster yesterday.

G. S. Harrison of Oakland is a vistory in the city. He is the cousin of President Harrison.

J. R. Mitchell of La Mar, Iowa, arrived from the East on Monday evening to romain during the winter.

Hancock Banning of Los Angeles drow and and was exclanging New Year campliments with friends.

It will be seen from this that the hout has a social side, including ladies in its organization, a feature which the wind.

A Duarte tug of war team is comping own. Good for Duarte.

A Duarte tug of war team is comping dwn. Good for Duarte.

A Duarte tug of war team is comping own. Good for Duarte.

The lewkick Climb offers two challenge oup for foot-races, one for 220 yards and the other for a mile.

Bring all the flowers you can. Poppies, roses, all of them, and pile them and everywere.

Mr. H. R. Hertel donates a fine silk mile on the stands—on the judges' stand and everywere.

Mr. H. R. Hertel donates a fine silk mile on the will have a game.

A foot-ball team will have a game.

W. C. T. U.

The Weck 63 members in attendance, which was all but three of the smooth, and the wind.

The Pickwick Cliub offers two challenge oup for foot-races, one for 220 yards and the other for a mile.

Bring all the flowers you can. Poppies, roses, all of them, and pile them, and pon the stands—on the sides of them, and pile them, and pon the stands—on the sides of them, and pile them, and pon the stands—on the sides of them, and pile them, and pon the stands—on the sides of the wild will be in attendance.

Mr. H. R. Hertel donates a fine silk mile of them, and pile them, and proved them, a

Rowland, Count ven Schmidt, Artero and Mrs. Bandini, Mr. and Mrs. Liddle, Mr. Keyser, Mr. Leitheid, Rev. and Mrs. Ottman, Mrs. Crane.

It will be seen from this that the hunt has a social side, including ladies in its organization, a feature which the

the ears under the saddle, so they will not catch the wind.

A Duarte tug of war team is coming down. Good for Duarte.

The Pickwick Club offers two challenge cups for foot-races, one for 220 yards and the other for a mile.

Bring all the flowers you can. Poppies, roses, all of them, and pile them up on the stands—on the judges' stand and everywhere.

Mr. H. R. Hertel donates a fine silk manicure case as a prize.

G. Buchanan, J. G. Rossiter and W. P. Hyatt.

Several new are 63 members in attendance, which was all but three of the enrolled membership. The company is popular and is growing.

The company was dismissed at 9:30 to meet again on Monday evening in the Wooster Hall; when it is hoped all will be in attendance.

THE RAYMOND BALL

Masked Figures—Brilliant Assembly at the Hotel Last Night.

The Raymond masquerade ball terminated the carnival festivities at the great hotel last night, and was the sucjudging from its liberal patronage.

The Webster seems to be popular, judging from its liberal patronage.

extended, and of no ordinary o'clock masked in, and an hour later the parlors were well filled with Here was Mrs. Jarley talking to Mephistopheles, Richard in a quiet contab with Hamlet, a fairy laughing with Mr. Rox, while captains of the guards, dominces, kings, princes, gobilins, dukes and many more, mingled in the throng as natural as life. The maskers were formed in a line shortly after 9 and marched in to the ballroom, making a most impressive, not to say remarkable appearance, and one that was appreciated by the lookers-on. A large number of guests from Los Angeles were present, and the invited guests from Pasadena were: Mr. and Mrs. Huribut, Mes Huribut, Mes Huribut, Mr. and Mrs. Leed lee, Miss Greenleaf, Mr. and Mrs. Leed lee, Miss McBride, Mr. and Mrs. C. F. Holder, Mrs. J. B. Holder, Mr. and Mrs. C. F. Holder, Mr. and Mrs. Scoville Mr. and Mrs. Buell, Mr. and Mrs. Scoville, Mr. and Mrs. Granger, Mr. and Mrs. Kimball, Mrs. Mitchell, Mr. and Mrs. May, Dr. and Mrs. Channing, Mrs. Outhwaite, C. S.



The " Times" cup.

Martin, Mrs. Cooley, Judge Van Doren, C. W. Bell, Mr. Frank Polley, Miss Polley, Mr. W. U. Masters, Mr. and Mrs. McLaughlan, Mr. and Mrs. Motout B. C. Webbasand wife, Dr.

COMPANY B.

Preparations for Service in the On Monday evening Company B had a very satisfactory drill in facings,



A group of prizes. salutes and other tactics of the civil

drill. At the conclusion of the drill Capt. Buckley appointed as a permanent committee on Armory, First Lieut. Hamilton; Second Lieut. Cambell and

Also, a committee to select honorary members as follows: First Lieut. Hamilton, Second Lieut. Cambell, A. G. Buchanan, J. G. Rossiter and W.

BREVITIES.

cess of the season.

A large number of invitations were extended, and the result was a crush of no ordinary dimensions. By 8 dimensions dimensions

Company B has become a fixture— one of the real live institutions o Pasadena, The Santa Fé was opened to Los Angeles last evening, and people are

Angeles last evening, and people are again happy.

The Y.M.C.A. gives a reception to-day, to which all young men are cordially invited.

Business is certainly on the "pick up," as the man said who found that pocket-book with \$27 in its inside

The military company will have but \$700 available for Armery rent, after paying all other necessary expenses from the State fund.

Cases in the police court were post-poned yesterday until after New Year's, owing to the absence of Dis-trict Attorney McLachlin.

The City Marshal says the Salvation Army will be obliged to cease pumping the bass drum, in accordance with the ordinance passed vesterday. Mrs. Robinson continues to draw the

masses with her eloquent sermons at the Tabernacle. The lady is accom-plishing a great deal of good. The first train to bring overland passengers arrived Monday evening about 7:30. The passengers were transferred in the Cajon Pass, walking about a

Old Pluvius tried hard to shed a few tears Monday evening, but didn't make a "blooming" success of it. He may be holding back for a flood of

Local trains were running between South Pasadena and San Bernardino yesterday. There will probably be more regularity in the movements of trains today.

The Sons of Veterans have changed their corps, trans the AOU W. Held

their camp from the A.O.U.W Hall, above the old library building, on Dayton street, to the Odd Fellows' Hall, in the Doty building.

Prof. Pierce, the lightning (?) expressman, was seen hauling a wagonload of mail up from South Pasadena yesterday morning. His outfit kept pace with the speed of the mail trains during the week past. As an evidence of our increasing

prosperity is mentioned the fact that a Pasadena real-estate usan had a turkey which he could not get into the over of his stove. He took it to the Raymond, where the obliging chef took care of it for him. In spite of the fact that there has

The first shipment of bonded goods overland through San Diego to the City of Mexico was made on Satur-

Thousands of people have found in Hood's Sarsaparilla a positive cure for rheumatism. This mecleine, by its putlying action, neutralizes the acidity of the blood, which is the cause of the disease, and also builds up and strengthens the whole body. Give it a trial.

Children Cry for Pitcher's Castoria.

Dasabena Dusiness. *.* A card or short advertisement under this head (much space is not necessary) brings the name and business of the ad-

SPORTSMAN'S PARK, PASADENA New Year's Day.

AMUSEMENTS.

-OF THE-RRR OU 8888 KER 5888 R R O O 8888 E 8888 R R O O 8888 KE 8888 R R O O 8888 KER 8888

ENDER AUSPICES OF THE VALLEY HUNT

NPER AUSPICES OF THE VALLEY HUNT
VAQUERO FRATS.
HURDLE-JUMPINO,
SACK RACES,
POTATO RACES,
THO OF WAN,
HORE POY HACES,
AND POY HACES,
TOWNEY OF KNIGHTS,
ULD MEXICAN SPORTS, ETC.,
FOR HANDSOME PRIZES.

Entries made with Dr. WARD B. ROWLAND, Master of Hounds, 460 S. Marengo ave. Executive Committee; C. A. Scharff, Dr. F. F. Rowland, W. U. Musters, B. Marshall Wotkyns, C. F. Holder, George F. Granger, C. S. Martin, Dr. J. M. Radebaugh.

LOST. OST-IN PASADENA, DECEMBER 29th, a lady's nocketbook, containing \$25 or 30; leave at this office and get reward.

WANTED-R. MAGEE, PRACTICAL silk and felt hatter; silk hats made to order, silk and felt hats cleaned and repaired, ladies' and gents' cloth hats and caps made to match suita. 118 N. SPINING ST., Temple block.

FOR SALE. FOR SALE.

TUBLIC SALE—THE ASSIGNEES OF Amos Wright will sell at auction on Thursday, January 9, 1899, at 12 o'clock noon, on the premises, that ranch belonging to the estate of Amos Wright, situated 2½ miles southeast of Compton, containing about 122 acres, being part of the Helman tract of the San Fedro Rauiche, in the county of Los Angeles, with Small house and good barn: land fenced and improved; also stock on the place, consisting of 4 horses, 2 colts, 6 cows, young cattle and other property. Terms, 81000 cash at time of sale, and baiance on delivery of deed. For further particulars apply to J.M. GLASS or D. GALBRATH. Assignees, Pavadena, Cal. December 28, 1886.

ORANGE LAND-IN AZUSA VAL ey and foothills, unimproved tracts from \$100 to \$200 per acres, 'unproved, 'in, 10 and '20 acres, with orange groves and other, improvements for \$200 to \$300 per acres land in Vineland water district, in the Azusa Valley, from \$59 to \$150 per acres for size in \$5, 10, 20 acres for size in \$5, 20 acres for size in FOR SALE—A: FINE PAIR BLOOD hounds, Roy and Topsy, out of the Lucas stock; \$40. J. B. MASON, No. 12 Frank-lin st. Los Angeles.

BY CARRIER: { PER MONTH, 936 SOUTH PASADENA HOTEL

AND SANITARIUM.

BEST MEDICAL TREATMENT

will be found. The surroundings, where fruit

HOME FOR THE INVALID and for the well a retreat from the cares of business.

MRS. H. TYLER WHEOX, M. D., and MRS. S. S. LIGHTFOOT. THIS SPACE RESERVED

FOR THE

WEBSTER HOTEL

THE MARIPOSA. Senter st., between Euclid and Marengo avea. PASADENA. CAL.

THE IDEAL HOME

MRS. J. C. FITZHENRY,
Proprietress.

NORTH PASADENA. J. H. PAINTER & SONS, Proprietors. ated in the highlands, Table board unsur passed.

THE PAINTER.

O st. Idonia MeLain proprietor. Best house in Pasadena. Special rates by Meals 25 cents. REAL ESTATE.

ST. NICHOLAS, II AND 13 W. UNION

TD L. FARRIS. S. E. COLORADO ST.

REPRESENTS IN PARADENA
THE SECURITY LOAN & TRUST CO.
CAPITAL PAID UP, \$100,000; LOANS MADE
In any sum upon best real estate accurity; I have
elegant furnished houses for rent and have some
beautiful homes for sale at great bargains; also
have the exclusive sale of some very desirable
residence lots on our best avenues at prices way
below their market value; everything as represented. ED L. FARRIS.

WOTKYNS BROTHERS. REAL ESTATE INSURANCE AND LOANS,

Property managed and rents collected for Corner COLORADO ST. and FAIR OAKS McDONALD, STEWART & CO.,

REAL ESTATE AND LOANS,
Negotiate loans, rent houses, manage pro
make collections, pay taxes, sta.
Reference, B. loans, rent houses, manage properties ctions, pay taxes, etc. F. Banks or business men of the city NG 7 E. COLORA DO ST. THE BUSTLER.

FOR SELECT BUSINESS AND RESI-dence property call on C. C. BROWN, the rust-ler; 10 years' experience in the land values of Pasadena and vicinity. Office 91 E. Colorado st., Pasadena, Cal. W. E. COOLEY, 71/4 FAIR OAKS AVE.

1882. SEVEN YEARS 1889.
After seven years of successful business in Pasadena.
MUBBAILD & CO., Grocera, still continue to lead in their line. Fancy groceries, teas and coffees. The best and cheapest in the city.

T. J. MARTIN, 26 S. FAIR OAKS.

G. C. HALSEY, STAPLE AND FANCY BANKS. FIRST NATIONAL BANK. President, P. M. GREEN. Vice-President, B. F. BALL, Cashier, J. E. FARNUM.

P. M. Green, J. H. Painter, B. F. Ball, O. S. Picher, U. O. Bennett, G. H. Bonebraka WILLIAM R. STAATS,

INVESTMENT BANKER AND BROKER. Collections Made. 12 8. RAYMOND AVE. BOOK-SELLER AND STATIONER.

H. E. PRATT. BOOK-SELLER AND STATIONER. I have made arrangements whereby I shall re-ceive the novels of the most popular authors as soon as issued. Complete assortment constantly on hand. Subscriptions' received for all periodic alls at lowest rates.

26 E. COLORADO STO Pasadena Office of the "LOS ANGELES TIMES,"

A. M. MCPHERRON, Manager

LIVERY.

VORE & HOAG, LIVERY AND BOARDING STABLE, Cor. Colorado st. and Raymond ave.

PIONEER LIVERY AND FEED stable, 10 W. Thion at; carriages meet every train; special attention given to carriage business; telephone 27. C. H. KILGORE, proprietor.

PHOTOGRAPHY.

BUTTERFIELD'S ART STUDIO,

(Formerly Lamson's)

Extra Finish Cabinets, 43.50-per dozen; Satin Pinish Cabinets, 45 per dozen. Photographs taken
at night by the patent Plash-light Process. Call
and examing work and prices. PHOTOGRAPHY S. FAIR OAKS AVE.

FURNITURE. JAMES SMITH & SONS, W. COLO-rade at Furniture, Curtains, Mattings, Shades. Immense stock. Eastern prices. UNCLASSIFIED.

DR. J. P. SHUM WAY'S SANITARIUM for diseases of the throat and junga. Orange Grove ave. Open all the year.

BOND INTEREST—NUTICE IS HERE-bonds of the Pasadena Gas and Electric Light Company, maturing January 1, 1889, will be paid on and a National Sun, Pasadena, PASADEKA, GASAND ELECTRIC LIGHT COMPANY, 31 TOR SALE—OR EXCHANGE, A FINE house, 8 rooms; a Pasadena home. See OWNER, 6 E. Colorado st., Pasadena.

LINES OF TRAVEL S. G. V. BAPID TRANSIT R'Y.

Passes given to parties building (subject to approval of the directors) along the line of its LEAVE MONROVIA FOR LEAVE NO. 9 ARGADIA LOS ANGELE¹. 7:00 a.m. and 9:05 a.m. 7:40 a.m. and 11:00 a.m. 1:15 p.m. and 4:15 p.m. 8:00 p.m. and 5:00 p.m. LEAVE ALHAMBRA FOR LEAVE ALHAMBRA FOR LOS ANGELES.
7:27 a.m. and 9:33 a.m. 8:18 a.m. and 11:35 a.m. 11:42 p.m. and 4:45 p.m. 3:83 p.m. and 5:35 p.m.

Leave Los Angeles at 8:40 a.m. and 4:40 p.m. Jeave Monrovia at 8:00 a.m. and 4:60 p.m. Time between Los Angeles and Monrovia

one hour.
INTERMEDIATE STATIONS:
Soto Street, Mayberry, Sunny Slope,
Fatz, Lake Vineyard, Chapman,
Ramona, San Marino, Baldwin,
Alhambra, San Gabriel, Arcadia,
E. F. SPENCE, Pres. F. Q. STORY, Gn. Mgr. SOUTHERN CALIFORNIA RAIL-WAY CO. (SANTA PE ROUTE.)
On and after SUNDAY, OCT. 27, 1889, trains will leave and arrive at Pirat-street depot as follows:

LOS ANGELES. ARRIVE. *9:55 a.m. | 10:30 a.m. | San Bernardilo | 17:45 a.m. | Pasadena | 17:45 a.m. | Pasadena | 17:40 p.m. | Pasadena | Pasaden

*Daily, *Daily except Sunday,
Train leaving Los Angeles at 8:30 s.m. connects at San Bernard no for all points south to
Oceanside. Trains leaving Los Angeles at
0:30 s.m. and arriving at 6:50 p.m. connect at
East Riverside for all points south to Oceanide.

ide.
Depot at foot of First street.

K. H. WADE, General Manager.

S. B. HYNES, General Passenger Ag't.

WILLIAMSON DUNN, General Agent.
City tieket office. 29 North Spring street.

OHAS T. PARSONS, Ticket Agent. SOUTHERN PACIFIC COMPANY.

IMPORTANT CHANGE OF TIME.
THOUSDAY, NOVEMBER 28, 1889.
Trains leave and are due to arrive at Los Al
geles (New Arcade Depot). Fifth
street, daily, as follows: DESTINATION. |Arr. from *10:04 a.m. 10:00 p.m. 8:57 a.m. ...Banning... Banning... Cotton...

*Sundays excepted. †Except Monday.
Local and through tickets sold, baggage
checked. Pullman sleeping-car reservations
made and general information given upon application to. J. M. CHAWLEY.
CHARLES SE LER, agent at depot.
A. N. TUWNE GENERAL Manager.
T. H. GOODWIN, G. P. & T. Agent. PACIFIC COAST STEAMSHIP CO.

San Francisco.
Nerihern Reutes embrace lines for Port-land, Or., Victoria, B. C., Puget Sound, Alaska ad all coast points.
SOUTHERN ROUTES.
Time Table for December,

For For Harford S. S. Corona. Dec. 3, 11, 19, 27, Jan. 4. 27, Jan. 4. 28, Dedro. 28, Disposition of the coronal property of th LEAVE SAN FRANCISCO Redondo...... 28 and Jan. 2.
San Pedro and S. S. Los Angeles, Dec. 4, Way Ports... 13, 21 and 29. LEAVE SAN PEDRO. 8. 8. Mexico, Dec. 1, 9, 17, 25 and Jan. 2. 8. 8. Corona, Dec. 5, 13, 21 and 29. For

LEAVE SAN FEDRO.

San Francisco.
Sant Francisco.
Sant Barbara.

LEAVE SAN FEDRO.
Sant Jan. 4.

27 and Jan. 4.

Sant Jan. 4.

Sant Jan. 4.

Experiment Jan. 5.

Sant Jan. 5.

Sant Jan. 6.

Sant Jan. 6

Way Points..... 24 and Jan. 1.

Cars to connect with steamers leave S. P.

R. depot. Fifth street, Los Angelea, as follows: With the Mexico and Corona at 9:50
o'clock am; with Los Angelea and Eureka,
going north, at 5:10 o'clock p.m.
Passeogers per Los Angeles and Eureka, via
Redondo, leave Santa Fe depot at 5:00 p.m.
Pinas of steamers' cabins at agents' office,
where berths may be secured.
The steamers Los Angeles and Eureka will
call regularly at Newport pier for and with
freight and passeogers.
The company reserves the right to change
the steamers or their days of sailing.
[FF For passage or freight as above, or for
tickets to and from all important points in
Europe, apply to

W. PARRIS, Agent.

W. PARRIS, Agent. Office, No. 8 Commercial St., Los Angeles.

Legal. Proposals for Bridge Materials. OFFICE OF BOARD OF SUPER-visors of Los Ange, es county, California. Sealed proposals will be received by this board until it a.m. January 10, 1800, for lumber to be used in the construction and repair of bridges in Los Angeles county, same to be delivered f.c.b on care at Los Angeles, San Pedro and Redondo Beach, or in the yards at Los Angeles, in such quantities as may be required.

rail bids.
By order of the Board of Supervisors.
CHARLES H. DUNSMOOR, Clerk.
By C. W. BLAKE, Deputy.
Stockholders' Meeting.

Stockholders Meeting.

NOTICE—THE ANNUAL MEET—
ing of the stockholder of the Southern
Cal fornia Insurance Cumiany for the election of directors, amending the bylaws and for
the transaction of such other business as
may properly come before the meeting, will
be held at the company's office, No. 211 North
Main street in the city of Los Angeles, State
of California, on Wednesday, January 18th,
1860 at 1:33 p.ms.

D. E. MILES,
Becretary,

THE STOCK BOOKS OF THE Southern California Insurance Company for the transfer of stock will be clessed from the 5th day of Jenuary, 1890, until after adjournment of stockholders' meeting, to be held January 15th, 1890. D. B. Miller,

THE ANNUAL MEETING OF THE Los Angeles Cemetery Association for the election of trustees and such further business as shall come before said association will be held at the office of the association No. 117 New High street, room is on Monday, the 6th day of January, 1890, at 2 o'clock and All stockholders and owners of lots and the said of the said and the said of the said and the said meeting.

A PULSON, secretary

quired.

Also for such boits, from and rods as may be also for such boits, from and rods as may be needed by the county. Also proposals to furnish ands and spikes for bridge work in such quantit es as may be required.

The board reserves the right to reject any orall bids.

asies



George Werner, a clerk in the employ of H. J. A. Stuhr, at No. 127 West First street, was stricken with an apo-plectic fit yesterday morning. It was some hours before he recovered conousness, but it is believed that he

The Southern California Pomological Society will hold its next meeting at Pomona, tomorrow. The citizens of Pomona are striving to make this their best meeting they ever had. These meetings are very important, and no fruit-grower can afford to stay

Ex-Police Officer J. Mullaly was taken to the police station yesterday morning for medical treatment, and after being attended to was taken to his home. Mullally has been at work on the streets, and yesterday morning suddenly broke down. He will be confined to his bed for some days. fined to his bed for some days.

The meeting of the State Teachers'
Association, which had been arranged for yesterday in this city, was postponed until March on account of the recent interference with the railroad connections by storms. The date of the meeting has not ver been definitely as the property of the meeting has not ver been definitely as the property of the meeting has not ver been definitely as the property of the meeting has not ver been definitely as the property of the meeting has not very been definitely as the property of the meeting has not account of the property of the property

connections by storms. The date of the meeting has not yet been definitely settled, and will be tannounced hereafter.

A note from Alhambra says that the grass and vegetation in that locality is almost as luxuriant as in the tropics, and that the prospect for the orange cropwas never better. Many of the groves have been bought up, and prices are much better than last season, the fruit being free from smut, owing to the extended the control of the contr being free from smut, owing to the exination of the scale.

The funeral of George Hittiman, the The funeral of George Hittiman, the old German who committed suicide by hanging at a lodging-house on Los Angeles. street Monday, took place yesterday afternoon from Orr & Sutch's, on Spring street, the expenses being paid by the friends and fellow-workmen, quite a number of whom followed the remains to their last resting place.

the remains to their last resting place.

The jury in the Garrett case, just before going home, presented Deputy Sheriff Peter Reel with an improved baby-chair, as a pleasant compliment for his thoughtfulness and care for them while they were undergoing the infliction of trying the case. The recent arrival of a little one at Mr. Reel's home made the Christmas gift appropriate and appreciated.

Work on the Orphan Asylum on Boyle Heights is to be pushed as rapidly as possible. There is now material enough on the ground to keep 20 bricklayers steadily at work, and that number of men will be put on tomorrow. It is expected to have the basement completed by the latter part of next week, and the walls will be run up as rapidly as is consistent with good work-

rapidly as is consistent with good work-

ter, and at first could not place Marros, until some one suggested that he was a Greek who formerly ran a fruit stand at the corner of Spring and Second streets, and caused the police a good deal of trouble. Chief Glass will investigate the matter.

A Kick on Farrell.

Since the recent heavy rains there have been several complaints made to District Attorney Kelly about the condition of Contractor Farrell's boneyard, in a canon up toward Propice. Farrell has the contract for removing dead animals in the city, and has buried a number of carcasses in a canon northwest of the city, in the direction of Tropice. The recent heavy rains have washed the earth from the carcasses, exposing them to view, and also carried a number of them out of the canon into the valley, creating a nuisance. Mr. Kelly yesterday sent Dr. Cowper, the County Veterinary Surgeon, out to the place to make an investigation, and that official reports that the state of, affairs is even worse than has been stated. District Attorney Kelly has instructed the people to Seen once abated.

SEEDS

The famous Hovey Seen on and Hovey Nurseries of Cambridge, Mass., have been moved to East Pasadena, Cal. where the business will be conducted at THR RAY. MOND Flower And Pasadena, Cal. Send for complete catalogue.

Unclassified. LOOK AND READ!

Furniture, Carpets or Trunks,



W. P. MARTIN & BRO.,

No. 840 S. Spring st. Lock Box 1921. SOUTH-FIELD

Wellington Coal.

HANCOCK BANNING, Wholesale and Retail Dealer in WOOD,

COAL AND CHARCOAL Office, 109 North Main Street.

Telephone No. 33, Yard at Junction of San Fernando and Railroad Sts.

Yard Telephone No. 1047 SPECIAL

Important Announcement

TO THE LADIES OF THIS CITY
AND VICINITY.
From the Manufacturers of the World. TAYLOR PATENT

ADJUSTABLE LADIES' SHOE. Ladies are cordially solicited to call at the office of our agent, 294 SOUTH SPRING ST., ROOM 6, And examine the best fitting and most comfortable ladies' shoe in the world. O. M. PARTRIDGE, General Agent,

Send for Circular.



Instrument Maker IN SOUTHERN CALIFORNIA.

No. 17 W. Third ST.

NISBET'S Tonic Poultry Powder



And at the same time in-crease the Egg Production.
All leading poultry raisers use it. IN USE 19 YEARS.

If your grocer or druggist does not keep it send for circulars giving prices by mail or express prepaid.

P. O. Box 783, Los Angeles, Cal. Office, 220 S. Main St., Upstairs. WINTER CLOTHING.

Abernethy & Taft ARB NOW READY FOR THE

HOLIDAY TRADE

And as they are selling FOR CASH, do not fear competition. Please call and see them at

NO. 19 SOUTH SPRING ST., LOS ANGELES, CAL.

Notice to Creditors. ESTATE OF CAREY M. BLAKESlee, deceased, given by the undersigned, solice is hered, the estate of Caroy M. Indice is the solice in t

House

PARTIES DESIRING First-class Work House, Sign and Dec-

Painting.

Ralsomining. Wall Tinting, te, will save money by calling on us for prices. Twenty years' reasonable rates. STAR SIGN COMPANY, FITZGERALD & ATWOOD, 22 Franklin St.
Telephone 429. Established in 1880.

TEETH

Filled with gold. platina: amsignm-cement. \$1 up; gold and porcelain orowns, \$4 up; agrifical teeth on bridge (without plate) or gold, silver, aluminum, rubber and cellulo d plates, \$4 up. Unsurpassed facilities for doing the finest, as well as work at moderate cost. \$25 All work warranted, PARK PLACE DENTAL PARLORS, cor. Fifth and Hill sta.

MAISON DOREE RESTAURANT.

129 & 131 WEST FIRST STREET, Between Spring and Fort.
V. DOL, Proprietor, O. B. FULLER & CO.,

PIONEER TRUCK & TRANSPER CO., No. 8 Market Street, Los Angeles. Fate and plane moving. All kinds of truck

Head, Throat, Lungs,

WILLIAMS COMPOUND OXYGEN TREATMENT.

CATARRH and CONSUMPTION, etc.. are now conceded by all scilentific investigators to originate from a living germ or parasite so small as to be invisible, except when placed under a rewerful micro distance of the property o

consult with me in re-petter call at the office of if impossible to visit can write for list of both of which will be ever.

Those who desire to gard to their cases had for an examination, but the office personally, questions and circular, sent free of charge. A M. HILTON WILLIAMS, M. D.

37 S. Fort St., Los Angeles, Cal.

If any dealer says he has the W. L. Doug's shoe without name and price stamped on the bottom, put him down as a fraud.



W. L. DOUGLAS Best in the world. Ramine his

55.00 GENUINE MAND-SEWED THOE

54.00 HAND-SEWED THOE

54.00 HAND-SEWED THOE

53.50 POLICE OF PARMERS SHOE

52.25 WUKKIN MAN'S SHE

52.25 WUKKIN MAN'S SHE

52.00 and \$1.71 BOYS SCHOOL SHOER.

All made in Contract Button and Lace.

W. L. HOUGLAS

B3 SHOE LADIES. Best Material. Best Style. Best Fitting, not sold by your dealer, write W. L. DOUGLAS, Brockton, Mass.

THE MASSACHUSETTS, Boot and Shae House.

28 WEST FIRST ST., SOLE AGENTS FOR LOS ANGELES.

MEXICAN TONIC.

The Dyspeptic, the Debilitated and those Suffering from Constipation will on trial find that the

Mexican Tonic Is a Specific.

We have numerous testimonials SOLD EVERYWHERE.

The MORGAN OYSTER CO.,

PLANTERS AND WHOLESALE DEALERS IN ALL KINDS OF Fresh Oysters.

Packers of the Celebrated "Eagle Brand" Fresh Canned Oysters, The best in the world. Put up daily for the interior trade.

Depot; 612, 614, 616 Third St. SAN FRANCISCO.

LOS ANGELES

WAREHOUSE,

205 - 209 S. Les Angeles St., CORNER THIRD.

Location and accommodations make this the most convenient place for storage of all kinds. Telephone 207.

Ladies, Attention! DRESSMAKING MADE EASY

MRS, A. M. LESLIE. from Boston Dress-cutting College, after 29 years' experience as a dressmaker, most heartly recommends Mrs. H. A. Branch of the country o

REMOVAL NOTICE.

The offices of the LACY MANUFACTUR-ING COMPANY and the PUENTE OIL COMPANY have been removed from rooms

Over Los Angeles National Bank, rooms 4. 5.6 and 7. Entrance No. 25 West First street: Wagon Material, Hard Woods, Los Angeles Optical Institute.

Scientific and Practical Optician,

Huction Sales

ROTH & SON.

\$80,000 WORTH

Diamonds, Watches, Jewelry, Solid Silverware and Silver Plate, Bronzes, Statuary, Clocks in genuine Pararh Marble Cases, Gold and Silver Headed Canes, Rings set with Diamonds, Amethysts. Bloodstones, Sapphires, Emeralds, Onyx, Carnelians, Topaz, Rubies Every article in this immense stock is STRHCTLY FIRST CLASS. You must not stay away from this sale thinking that the goods must bring a certain price or they will not be sold. THE SALE IS POSITIVELY WITHOUT RESERVE, regardless of cost of value. Sale to commence

MONDAY, 9th Inst. Opp. Nadeau House, Wilson Block,

By crder of ROTH & SON.
T. J. B. SCOONES, Auctionee GENERAL AUCTION

COMMISSION HOUSE.

W. E, BEESON, 119 & 121 W. Second St.,

Between Spring and Fort Sta. AUCTION, STORAGE & COMMISSION.

PEREMPTORY SALES OF and Secondhand Furniture, Tuesday, Dec. 31st. Thursday, Jan.

At 10 a.m. and 2 p.m. Horses, Buggies, etc., every Satur-day at 10 a.m. Outside Sales made application.
B) NO. RHOADES. Auctioneer.

2d, and saturday, Jan. 4th.





The Finest Hotel in Southern

PURST-CLASS IN ALL ITS APPOINTMENT Table Supplied with the Best the Market JAS. G. BUHE F. R. CALDWELL



IMPORTANT

Worth Investigation

We are making suits to order of the fine Huddersheid Worsteds for \$25 which are worth \$40. As the sale of these fine worsteds during the past three weeks has proved such an immense success in San Francisco, we concluded to give the benefit to the public of Loc Angeles. We have purchased \$46,000 worth of these Huddersheid worsteds and have added a large line of Kerseys and Meltons for overcosts, made to order, with fine sile linings, for \$25 to \$30, which would cost elsewhere at least from \$40 to \$400. We have received from the mili over \$40 pieces of fine Trouserings, which we bought at an immense reduction, and we are now prepared to give our customers and the public the benefit. These are fine \$ALL\$ WOOL goods at prices never before known in Los Angeles. Pieces call and examine the goods and be convinced of the bargains now offered for the holidays.

49 & 81 South Spring St.

PHOTOGRAPHS. WE GUARANTEE THEM AS FINE AS any made in the city. Bring the babies early, N.B.—Parties holding contract ticket on other galler es will be allowed \$1 for the same on their order.

FIRST LADY LICENTIATE OF

Kentucky. Educated abroad. Thirty years in and citizen of the United States. Many years of successful pract e in this city. Uterine and Rectail diseases treated with skill by new methods without knife or caustic. Prompt relief in suppressed or paintful menstruction. In Prolapsus, Uterration, Congestion, one trial will convince. Weak, nervous, in the control of a manger at once, if the state of the control of

18 and 18 S. Los Angeles St

SO SOUTH FORT STREET.

Clothing-Mullen, Binett & Co.

Auction Extraordinary. N.W. Corner Spring and First Sts.

Discounts for Cash.

We are not "Retiring from Business." but we must make room for Spring Stock, and we will give until Feb-

20 PER CENT.

Discount on all Men's, Boys' and Children's Overcoats.

10 PER CENT.

Discount on everything in our full line of Suits for Men, Boys and Children, Furnishing Goods, Hats, Valises, Etc.

Profits Sacrificed,

And you get the benefit, as our goods have not been marked up to meet the loss.

MULLEN, BLUETT & CO.

Diamonds, Jewelry, Etc.

S. NORDLINGER,



Los Angeles, Cal.

A Most Complete Line of Novelties for the Holidays

CAN BE SEEN AT OUR ESTABLISHMENT. Diamonds. Watches, Jewelry, Clooks and Bronzes of all the latest styles and descriptions. Our stock is the largest in this town, but we are not overstocked. We auctions or selling out below cost, but we guarantee our prices lower than any other house in California. Our standing of 21 years in this town is a guarantee of fair treatment.

WOODBURY'S BUSINESS COLLEGE

Short-hand & Typewriting Institute,

159 South Spring Street, Los Angeles, Cal.

Leading Exponent of Practical Commercial Education Devoted to the Prep. ration of Young Men and Women for the Dutles

of Active Business Life. Its course of study embraces only those branches a knewledge of which is absolutely ssary to success in life, and a few months afford ample time in which to acquire such secessary to success in life, and a few months afford ample time in which to acq mowledge.

The faculty is composed of teachers eminent for their attainments and exp heir specialties.

The course of study has borne the test of years, and has been found pretheir specialties.

The course of study has borne the test of years, and has been found pre-eminently adapted to the wants of those desiring such preparation as it contemplates.

Its patronage is composed of an older, more mature and more oultrated class of young men and women than that of any other commercial school.

Its graduates nave been found competent, have been sought by business men, and are the tireless advocates of the institution.

Its attendance is very large, is steadily increasing, and is composed of young men and women of education, ability and ambition from all parts of the State.

Its careful pleasant, well lighted and ventilated, and the best furnished of any college in California.

lege in California. The containing description of course of study, rates of tuntion, etc., will be mailed to any address, free, by addressing F. C. WOODBURY, 189 South Spring St

CRANDALL STOVE & M'F'G CO.,

Removed to 124, 126 and 128 South Spring Street,

Alaska Refrigerators! | SUPERIOR RANGES! World's Best. \$6 and Upward. The Only Perfect Working Range in This Market.

TROPIC GASOLINE STOVES! GUARANTERD TO GIVE SATISFACTION. (DRY AIR PATENT),

NILES PEASE,

-IMPORTER AND DEALER IN-FURNITURE, CARPETS, LINOLEUMS.

Oilcloths, Mattings and Window Shades, 243, 245 & 247 SOUTH SPRING STREET.

CRANE BROS. MANUFACTURING CO., -MANUFACTURERS OF-PIPE, FITTINGS, BRASS GOODS, TOOLS, PUMPS, HOSE

PACKING AND SEWER PIPE. Plumbers' and Gasfitters' Material in Every Variety. NOS. 18, 20, 22 & 24 REQUENA ST., COR. LOS ANGELES.



GUST. KNECHT 861 S. Spring St., upstairs, Los Angeles CUTLERY AND RAZOR GRINDING BY STEAM POWER. Barber Shop Outfits and Supplies. Manufacturer of the DIAMOND "FESTUS" RAZORS for barbers' and private uso.

OFFERED.

Parties giving any information as to the location, or returning any of the Brandy and Wine, in casks, puncheons and barrels and cooperage, that have been washed away from the Nadeau Winery, will be suitably rewarded by reporting to the foreman at the winery. or at the office of TAGGART AND BOSCH, 113 & 115 New High Street, Los Angeles.

C. H. WEDGWOOD, PECK, SHARP & NEITZKE CO. ARCHITECT BUILDER. OFFICE, 111 S. MAIN'S



N. STRASSBURGER

No. 109 North Main Street, Opposite New U. S. Hotel.

PATENT ROLLER FLOUR STOCKTON MILLINGCO. STOCKTON MILLINGCO. STOCKTON.CALIFORINA. San Francisco Office, 319 California Street. The second second

Joe Poheim, the Tailor.

\$3-FOR-12

WESNER, 21 W. First St. MRS. DR. WELLS.

JOHN WIGMORE, EAGLE STABLES,

Good Teams at Reasonable Rates. Telephon No. 242. W. F. WHITE, Proprietor.

Finest Finished Cabinet

NEW HOUSE. Iron, Steel, Horseshoes and Nails, Blacksmith's Coal and Tools, Cabines Woods, Etc., Etc.

Undertakers & Embalmers, NO. 40 N. MAIN ST., phone No. 61. Los Angeles, Ca OPEN ALL NIGHT.

KOHLER & FROHLING.



New Year's present from his brother, T.E. Rowan.

J. R. Abbott of St. Johns, Mich., writes as follows, renewing a subscription: "We hail the arrival of The TIMES as a ray of sunshine from the loveliest of cities and the most favored of the sun-kissed land."

Ferfection in ladies' foot dress, Taylor's patent adjustable Shoe. Please call and examine at 29% South Spring street, room 6. Grapevines are being set out extensively by the farmers on the Otay mess. San Diego county. They are not afraid of the yield turning to raisins before it is picked. For nice holiday goods in Decorated China Fancy Giass. Bisquo framents, Nickel and Silver Pigted Ware, fine Lamps, or anything in Creekery, go to Z. L. Parmeiee's. 110 and 112 North Main street.

rapidly as is consistent with good workmanship.

The officers-elect for 1890 of Stanton
Post, No. 55, Grand Army of the Republic and Stanton Women's Relief
Corps, Department of California, will
be publicly installed at G.A.R. Hall,
294 South Spring street, next Friday
evening. Department Commander
George E. Gard will install the officers
of the post. Mrs. Alica Fitch, PastPresident of Stanton Corps, will install
the relief corps officers.

A schooner-load of lumber for the
Reform School at Whittier, which was
delayed by the bad weather, has arrived at San Pedro, and will be
brought up as soon as the rallroad is
put in condition to carry freight, when
work will be pushed as rapidly as possible. If nothing happens it is expected to lay the corner-stone on the
29th inst., when it is said that there
will be quite a crowd from all parts of
the State.

Prominent among the receptions to A Perfect California Home.

will be quite a crowd from all parts of the State.

Prominent among the receptions to be held in the city today will be the one given by the Young Men's Christian Association, in the new building on Fort street. Arrangements have been made for a very large number of callers. There will be music during the afternoon by a special orchestra and also informal instrumental music. Refreshments will be served from 2 to 7 o'clock by the committee of the Ladies' Auxiliary, under the direction of Mrs. J. B. Dunlap.

Yesterday afternoon a man named Cohen, who has a small stand at the corner of Commercial and Main streets, presented an order at the police station. Stating that by order of the Chief of Police he was allewed to remain there. The order was signed by M. Marros. No one knew anything about the matter, and at first could not place Marros, put is some one suggested that by the tweeter.

A Kick on Farrell. .

NEWS AND BUSINESS. The Weather.

The Weather.

Signal Office, Los Angries, Dec. 31.—At

5:07 am, the barometer regintered 29.95; at 5:07 p.m.,
29.93. Thermometer for corresponding periods, 42°, 32°.

Maximum temperature, 30°;
minimum temperature, 30°;
Weather, cloudless.

INDICATIONS.

San Francisco, Dec. 31—
[By Telegraph to These
Times.] Fercasat till 8 p.m.

Wednesday. For California: Rain in Northern California; fair weather in Southern California.

North Main street.

Mexican Tonic for the blood.

'Let's trade off the citrus belt," says the Oroville Mercury, "for a pair of gum boots, a rubber coat and an umbrella." rubber coat and an umbrella."
Finnan Haddies, fresh, at H. Jevne's, 33 and 40 North Spring street.
Pianos sold on casy installments, at C. E. Day's music store, 8 North Spring street.
The indications are that cramberries will sell at high figures the coming season, as the crops in Oregon and Washington are very light.

New Raisins, Currants, Citron, Orange and Lemon Peel arrived at H. Jevne's.

Maudhaling Java Coffee is not generally obtainable, but can always be found at H

Jevne's.

Jevno's.

Reno politic ans want the Nevada Mint now at Carson to be moved to their town.

Fancy Butter, at H. Jevno's.

Mexican Tobic cures constipation.

The ico-making plant at San Luis Obispo has been sold to a company at Port Townsond.

Send 50 cents or \$1 and we will send you by express a one or two-nound box of our choice.

Sohmer pianos, best in the world. Charles E. Day, 8 North Spring street. For first-class service in the grocery line, H. Jevne's. The real estate transfers at Tacoma for th year amounted to over \$13,56

year amounted to over \$13,800,000.

Mexican Tonic for the blood.

Three and a half pounds Jevne's combination coffee for \$1.

Figure and organs to rent. Charles E. Day.

North Spring street.

H. E. Taylof of Riverside has set out 15,000 strawberry plants to feed the Northerners.

Mexican Tonic cures constipation.

Lovers of fine Oolong can be suited at H.

Jevne's. 28 and 40 North Spring street.

The Cajon Star has gone to beaven.

Manicos, for fine puddings, at H. Jevne's.

Mexican Tonic cures dyspepsin.

GENUINE ANTHRACITE COAL for eal office in the Nadeau Hotel. Yards on Firs The National Bank of California to their friends and patrons extend New Year's greet-ing and acknowledgment of the cordial sup-port they have received, and sincerely hope to continue the very pleasant business rela-tions formed during the past few months.

in the past they feel safe in assuring their friends of greater success in the year that is just opening, and increase of cordiality and mutual benefit. THE GENERAL ADMISSION to the Athetic Base-ball grounds on Sunday next has seen reduced to 25 cents.

CULVER'S CARBOLIC SALVE - magic

Real Estate.

owing to the substantial evidence of regard

ealer-cuts, bruises, burns, etc. 25 cc Children Cry for Pitcher's Castoria.

Such a one we have in our mind. We will see if it fills the requirements so as to make it a perfect how the see if it fills the requirements so as to make it a perfect how the see if it fills the requirements so as to make it a perfect how the see if it fills the requirements as as to make it a perfect how the see if it fills the requirement of the orange groves, and surrounded by facilities of the orange groves, and surrounded by facilities on the see it fills the see it fills

NINTH YEAR.

LOS ANGELES, WEDNESDAY, JANUARY 1, 1890.-TWENTY-THREE PAGES.

Jacoby Bros.—Clothing. -OUR GREAT-

ODD AND END SALE!

We have just completed our annual stocktaking, and on going through each department we have laid aside all the broken lines we could find and placed them on our Odd and End counters, intending to clear them out at one sweeping reduction in price that would make our Odd and End Sale one long to be remembered. We have just completed our task, and today we inaugurate our mammoth

ODD AND END SALE

We ask everyone to step in and see us, go through each department and learh our prices and see the reductions we have made. It is no trouble for as to take you through the house and show you our many bargains.

WE ARE DISPLAYING:

Odd sizes in Chinchilla Overcoats. Odd sizes in Cassimere Overcoats. Odd sizes in Melton Overcoats.

Odd sizes in Cape Overcoats. Odd sizes in Boys' Overcoats. Odd sizes in Children's Overcoats.

Odd sizes in Youths' Overcoats. Odd sizes in Men's Corkscrew Suits. Odd sizes in Men's Wide Wale Suits.

Odd sizes in Men's Cassimere Suits. Odd sizes in Men's Cheviot Suits. Odd sizes in Young Men's Cassimere Suits.

Odd sizes in Men's Cheviet Suits: Odd sizes in Boys' Cassimere Suits. Odd sizes in Boys' School Suits

> Odd sizes in Children's Suits. Odd sizes in Men's Doeskin Pants.

Odd sizes in Men's Fancy Worsted Pants. Odd sizes in Men's Cassimere Pants. Odd sizes in Men's Cheviot Pants.

All Our Odds and Ends

-WILL BE-

MERCILESSLY SLAUGHTERED!

We are determined to close them out, and the prices have been cut deep to make them move quickly.

RETAIL DEPARTMENT,

121 to 127 N. Main Street.

Unclassified.

PRICE 25 CENTS PER BOX.

Prepared only by THOS. BEECHAM, St. Helens, Lancashire, England. B. F. ALLEN & CO., Sole Agents FOR UNITED STATES, 365 & 367 CANAL ST., NEW YORK. Who (if your druggist does not keep them) will mail Beecham's Fills on receipt of price—but inquire first. (Please mention this paper.)

HOWLAND & CHADWICK,

Wholesale Dealers in PHOTOGRAPHIC SUPPLIES, Have Removed to 109 South Main St., Opp. the Cathedral. A Pull Line of KODAKS and AMATEUR OUTFFTS, Suitable for Holiday Presents.

HORTICULTURE.

THE VARIED PRODUCTS OF OUR

Orange and the Apple Side by Side - Large Profits to Careful Cultivators.

OR several years past horticulture has been coming more more to the front as the leading industry of the State. At the present rate of progress, it will not take many years before the admitted precedence of this industry will be so marked that it will be a subject for wonder that any one could have ever doubted that such would be the case. When it is remembered that the United States imports annually fruits and nuts to the readily be seen that the field for this industry is immense. There is practically no limit to the markets for our fruits, green, dried and canned. We have the world for our market.

Fruit trees of most descriptions are thoroughly at home in Southern California, some varieties more especially so in one section than another. They grow vigorously and luxuriantly, commencing to bear at a remarkably early age, and continuing to produce ever-

age, and continuing to produce everincreasing crops for many years, as
may be seen by a visit to some of the
Old Mission gardens. There are bearing orange and pear trees in these gardens over a century old.

During the past five or six years the
shipment of truit East has assumed
great proportions. For every carload
of fruit which formerly left for the.
East, a whole trainload is now shipped.
Rates of freight have come down considerably, which has much helped the
growers. Southern California has the
great advantage of being able to grow
to perfection fruits which cannot be
successfully raised elsewhere. In Los
Angeles county may be seen growing

to perfection fruits which cannot be successfully raised elsewhere. In Los Angeles county may be seen growing in the same orchard the orange, lemon, pear, spple, peach, apricot and almond, also the strawberry and other berries, as well as the finest foreign grapes.

Last year the acreage of bearing fruit trees in Los Angeles county was given at 37,450 acres. Many large tracts, have been planted to orchard during the past year, but on the other hand the mysterious vine disease—the mal nero—has destroyed a large area of vineyards in the county, so that the act acreage of bearing orchard and vineyard in the county has not been greatly changed. After allowing for orchards that have come into bearing during the past year we may put the total recent acreage of bearing orchard and the state of the state of

place in a discussion of lts of Southern California. It is the fruit upon which most of our fame as a horticultural region rests, indeed, there are many abroad who hold the erroneous idea that the orange is about all that we can raise in this section. The orange industry of Southern California, it is true, bids fair soon to assume national importance. The sume national importance. The growers of Riverside alone received

growers of Riverside alone received over \$1,000,000 for last year's crop. It will not do to suppose that every portion of Southern California is adapted to orange culture. Quite the contrary, as those who think so will find, to their cost, if they put their theories into practice. Good orange land is cheap at \$200 an acre, while

California product is so far superior foreign fruit it brings much better in this market.

In this market to the product is not ready for market until after the coold weather is over, and there is it any dancer of freezing in transit, a bis to hold your fruit on the trees until any or frost, until it is for your at to sib, you have a great advantage and there is a searcity of all other green we believe consumers will be ready there is a searcity of all other green we believe consumers will be ready to your granges as fast as you can prothem. We do not believe the time wer come in this country when you would not be your canges as fast as you can prothem. We do not believe the time wer come in this country when your canges as fast as you can prothem. We do not believe the time wer come in this country when you reduce loo many fine oranges, estivithe famous Riverside Washington la. Mediterranean Sweets, paper—St. Hichaels, Maita Bloods sweet Seedlings. We judge the by the past. The increase in the highly and the past. The increase in the start of years. The Washington Navel, ally, is no cranges that sells at very prices, and for that reason must be able to the producer. Ten years ago will do the great masses of the peoples of the great masses of the peoples were always, to day they are a ality, for he great masses of the peoples were always to day they are a lity, for he great masses of the peoples were always to day they are a lity, for he great masses of the peoples were always, to day they are a lity, for the great masses of the peoples were for the good oranges will define and for them at profitable and for them

and for them at profitable very truly.

PORTER BROS. COMPANY,
WATSON, Treasurer.
the last year we have
a trade for California
na, Ohlo and Pennsylvania,
a and we look for the trade
ity in those sections.

write: by your inquiry as to the ornia orange industry will dalways have been strong unter of California oranges. alon we handle no others, anges, however, should be a February, as early shippersputation of the fruit, it and as a consequence, sour. March, are very sweet to be sold must sell for lave a big advantage come in the spring and body eats fruit and not be had.

e had, there is any danger of population is increas-feat very rapidly, and market is extending ar, thus crowding the found isst year that res through the East must be kept below passe with California.

good satisfaction. Washington Navels are good satisfaction. Washington Navels are the finest fruit, but hardly think the high prices heretofors obtained for that variety will hold up. As the crop increases the price will go down nearer the other grades of oranges. Yours very respectfully.

THACKER BROS.

In comparison with the orange, the lemon has been neglected, one reason for which is that the lemon is a much more sensitive tree, and that hand suited for its culture is more restricted in quantity. Another reason is that the art of curing lemons has not been learned by our growers until recently; but now excellently cured California lemons are beginning to appear on the market.

invisited the many orchards which are being set out. On this subject we print the following letters from two of the leading fruit dealers of Chicago, addressed to A. C. Fish of Los Angeles. Forter Bros. & Co. write:

In assess to your inquiry as to our views of the present and prospective market for California orangea, would say, that will be proved the present and prospective market for California orangea, would say, that will be proved to the present as any other season, and also after the bulk of the Florida crop is marketed, and for that reason there is bulk little if any competition to meet to the california which are considered worthless. Such lands as the cash will be found to the california product is so far superior to the foreign fruit to brigg much better prices in this market.

Another colin your favor is that your crop is not ready for market until after the second washer is over, and there is the cash of the California product is so far superior to the foreign fruit to briggs much better prices in this market.

Another colin your favor is that your crop is not ready for market until after the second washer is over, and there is the selection of the prices much better prices in this market.

Another colin your favor is that your crop is not ready for market until after the second washer is over, and there is the selection of the prices much better prices in this market.

Another colin your favor is that your crop is not ready for market until after the second washer is over, and there is the selection of the prices much below those asked for the California fruit the prices much below those asked for the california product is so far superior to the foreign fruit is the ready with the capality and general product is so far superior to the foreign fruit beings much below those asked for the california product is so far superior to the foreign fruit being much below those asked for the california product is so far superior to the foreign fruit the prices much below those asked for intended with a subst is preferable. Where strong north winds prevail northerly exposure should be avoided. Regarding propagation, Italian ex-

Regarding propagation, Italian experience favors the growth of seedlings as having a better root system, which reaches to lower depths of the soil, and produces a tree less liable to disease. The seed is gained by selecting the best berries at picking, the pulp is squeezed off with the fingers, the pit washed with ashes and water, then cracked longitudinally and put in the ground. The plants are grafted at 5 years of age, and the fruit appears two years later. Propagation from cuttings gives fruit earlier than by grafting, but the tree is better by having a seedling root. Grafting is done in the spring. The main point is to have the stock in a sappy condition and the scion dormant. Wax the graft with asphalt dissolved by low heat with turpentine.

Irrigation is not good for the olive if grown for oil, and a rainfall of 15 inches is appreted.

the trees nearly twice as far apart as the distances just given, and occupy-ing the spaces between the rows with vegetables or other products, but not cereals, which are too exhaustive of the soil. This method gives the trees more air and sunshine.

In Italy, olive trees are headed at four to five feet from the ground and the center cut out, leaving three branches, which soon branch again and

it, and by it ansual crops can be had.

As with other trees, the clive has leafbuds and fruit-buds, and the successful-pruner notes these and regulates
the proportion between the two by cutting so as to remove undesirable preponderance. The pruning is done as
soon as the berries ripen. Shake the
trees, and the poor and insect-infested
berries fall off, and the sap rushes to
the remaining sound berries and fills
out and perfects them. Cover all cuts
with a past of two parts cow manure
with a part clay.

The trees should be planted from 20.

32 feet apart, and the spaces between
filled with grapevines and berries, to
be taken out when the figs require all
the space.

The yield of fig trees is enormous,
fire
and they begin to bear at an early age.
Trees that yield from 600 to 1000
pounds are not uncommon, which at
6 cents a pound for dried fruit, is a
pretty good bonanza for the grower.
The trees should be planted from 20.

The trees should be planted from 20.

The trees should be planted from 500 to 1500 feet abuse.

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The trees should be planted from 50 to 1500 feet abuse.

The trees should be planted from 50 to

and one part clay.

The machinery and appliances for picking the olive and making oil are very simple. Both operations can be finished a very short time, and they are so easy that no grower with ordinary cleanliness and care can fail in turning out a good product. The gathing of the berries can be done gradually from November to March. By allowing them to dry in the barn.

into a solution of two ounces of con-centrated by to one gallon of water, and allowed to remain therein for 36 hours, or until the bitter taste is taken out of them. They are next put in pure water and allowed to remain un-til all traces of the lye have disap-peared. Next they are placed in a weak brine, followed by a stronger one, in which they are subsequently bottled. The olives are generally bottled in pint bottles or jars, which cost, already labeled, but 8 cents. They sell for \$3 a dozen, or \$6 a case.

It is difficult to overestimate the im-portance which the olive industry of California may assume during the com-

California may assume during the coming decade. It alone is sufficient to make of Southern California a populous and wealthy State.

THE FIG. Probably no fruit has risen so rapidly in the estimation of Southern California horticulturists during the past 12 months as the fig. High prices re-ceived for recent shipments made to the East have convinced growers that

spring. The main point is to have the stock in a sappy condition and the scion dormant. Wax the graft with asphalt dissolved by low heat with turpentine.

Irrigation is not good for the clive if grown for oil, and a rainfall of 15 inches is enough. In Italy clives of varieties making a small tree are planted 24 to 28 feet apart; the larger growing varieties are planted 35 to 45 feet apart. The trees need plenty of sunshine. They should not be crowded, as poor crops and diseased trees result. These figures are for trees which have all the ground to themselves. It is preferred, however, in Italy to place the trees nearly twice as far apart as

pressed the opinion that the California fig industry will soon assume as great importance as that of the raisingrape and prune.

During the past year several hundred acres have been planted in Southern California to the improved varieties of the fig. Almost all of our soils and locations are suited to it, from the valley to the foothills. The warm, dry alluvial soil and climate of the interior valleys and foothills seem to the days of the control of th

The prune has not been so largely in Southern Californ

PRICE: Str the Week, 5 Cents

The soil should be kept. loose, and plowed and cultivated once or twice during the season.

The variety which has been chiefly cultivated in California is that which was planted by the mission fathers, and is known as the Mission alive.

The Piccoline has also been planted of late. As its name implies, it is a small mand the best prices in the markets of the world. — California is one of the few places in the world that can resthis luscious fruit. Apricots have braised very successfully in Los An les county. The tree needs a lin friable soil, and does best with range of the sea breeze. At four yeafrom planting it will yield from 50 75 pounds; at 5 years, 100 to 150 pounds at six years, from 200 to 300 pounds.

75 pounds; at 5 years, 100 to 150 pounds; at 5 years, 100 to 150 pounds; at 5 years, 100 to 150 pounds. At our pomological fairs may be sent apples of immense size and quality raised in this county. Apples always fetch a high price in this State. The product of an apple orchard in full bearing will compare not unfavorably with that of an orange grove.

Pear trees grow to a very large size in this section and bear a fine quality of fruit. They are very profitable. In 1881 150 trees were sold to a Los Angeles orchardist, From these he sold in 1881, \$35 worth; in 1882, \$400; in 1883, \$240; in 1884, \$300; and in 1885, \$445. This is only a fair yield. Some of the trees yielded \$7 and \$8 worth each the following year.

Peaches flourish in the warm sandy soll which is so plentiful in this county. Evaporated peeled peaches command fancy prices. For canned peaches there is a good market in the East and Europe.

Some of the finest vineyards in th world are found in the vicinity of Los Angeles. The San' Gabriel Winery, south of Pasadena, is one of the largest in the world, the holding capacity of the cellar being 15,000,000 gallons. the cellar being 15,000,000 gallons. Grapes are grown for table use, for wine and for raisins. About four years ago, a disease known as the mai nero appeared among the vines in the Santa Ana Valley, and has since spread considerably to other parts of the county greatly retarding the development of the industry, and temporarily wiping it out in some sections. Some of the raising rowers of the Santa Ana Valley will, however, start up planting again this year on a moderate scale. Such mysterious diseases have come and gone before. Before this disease made its appearance, the raisin industry in the Santa Ana Valley was of great importance.

A practical Southern California raisin-grape-grower furnishes the fol-lowing as the result of his experience. Assuming that you have land, the ex-penses of the first year will be as follows, per acre:

After the end of two years the re-

In six years or less, according to this grower, the balance-sheet in ordi-nary circumstances, would stand as follows:

Net profit per acre, six years. . . 8 879 06 The farmer now has a paying vine-yard, and raisins bring from \$1.50 a box up, according to quality. SMALL FRUITS.

There are very large profits to be

Secondary of a strike most file graph with the morted.

In the cold, it has put the control of the put the put the control of the put the p

SOLID STATISTICS

Of the Wealth and Progres of Los Angeles.

How the Several Counties of the State Are Assessed.

Reports from County Officers-Convincing Totals.

How the Affairs of the City Have Been Administered - State ments from Federal Officers, Etc., Etc.

OMPILATIONS of figure showing the material growth and present status of Los Angeles county and city will be found in the following columns. They tell their own story with an exactness and force which can only be drawn from figures systematically and accu rately arranged:

THE STATE.

falues of Property and Rates of Taxation for the Year 1889, As shown by the books of the State Controller:

	Control	ler:			
	Countie				Value of
			1		Property.
					71,896,182
	Alpine.				282,835
				*** *****	4,281,969
	Butte				20,730,252
					4,315 461
	Colusa				24,365,995
	Contra (Costa		*******	15,194,592
	Del Nort	e		********	1,925,061
					3,879,887
					1,892,844
					18,440,872
	Invo	******			1,548,695
					11,831,780
					4,022,484
					2,527,449
					84,376,319
	Marin				11,108,657
					1.849.641
	Meridoc	no			11,944,265
					14,146,845
					2,008,084
					941,010
					15,536,087
					14,970,181
					6,805,090
				*******	10,118,060
					2,309,441
					34,460,174
					6,332,911
	San Ber	narding			23,267,955
					31,560,918
-					291,700,433
	San Joan	quin.		,	38,802,606
1	San Lui	s Oblar	00		15,139,117
4	San Ma	teo			13,888,887
	Santa B	arbara.			15,888,628
	Santa C	lara			53,112,662
	Santa Ci	ruz			11.160,230
					6,594,003
					1,679,388
					6,966,007
					20,182,050
					31,222,671
					16,281,737
	Sutter	******			10,079,868
					11,901,255
					1,153,344
4	Tulare .				24,343,013
	Tuolum	ne			2,716,465
					8,598,932
	Yolo				20,911,325
					7,046,316
					9,270,767
					-11-01

Total.....\$1,111,590,979 WEALTH OF THE COUNTY

AS SHOWN BY THE OFFICERS BOOKS.

Digests of the Reports of County As-sessor, Auditor, Recorder, County Clerk, Superintendent of Schools and Treasurer.

HE assessments for State and county taxation show the following results, the statement including also the values of Orange county, which was segregated after March 1,

Country real estate	26,290,32
Improvements	3,336,75
City and town lots	44,413,08
Improvements	16,179,78
Telegraph and telephone	54,28
Irrigating ditches	15,00
Total real estate and im-	
Total real estate and im-	00 000 10

provements\$ Personal property Money Solvent credits	90,289,190 9,141,753 146,750 441,825
Total value of all property \$1	

Western Union Telegraph Company's line, 161 miles.

Sunset Telegraph and Telephone, 233 miles.

Azusa Water Development Company. 27,860 11,500 15,000

	LOS ANGELES	TIMES
	L. A. & P. R. R. Co	
	Railroad franchise	1,000
	25½ miles. Railroad franchise. Personal property. Southern Pacific R. R. Co.—	1,000 11,725
	Southern Pacific R. R. Co.— Personal property. Land Improvements Telegraph line.	- 79.900
S	Land	159,110
-	Improvements	105,200
	Telegraph line	0,700
-	Total California Central R. R. Co. — Personal property Land. Improvements Telegraph line.	846,270
e	Personal property	3 000
3	Land	3,000 172,225
	Improvements	5 115
-	zorograph mue.	0,110
1	Total	291,710
-	State, county and municipal	*
0	bonds	25
е	Beehives, 13,871	15,065
	Butter, 700	175
-	Calves, 4131	37,440
	Cattle (beef), 721	12.355
	State, county and municipal bonds	197,565
9	Colta 4800	30,900
h	Consigned goods	8,190
-	Cows, graded, 11,220	298,440
1	Firearms	14,750
y	Firearms. Fixtures, saloons, stores Franchises	927,760
8	Franchises	1 482 695
n	Goats (common), 540	685
-	Goods, wares and merchandise.	2,186,240
-	Barley, tons, 2602	16:985
	Corn, tons, 1217	8,080
	Farm utensis Firearms Fixtures, saloons, stores. Franchises. Franchises. Furniture Goats (common), 540 Goods, wares and merchandise. Wheat, tons, 1704 Barley, tons, 2003 Corn, tons, 1217 Harness, robes and saddles, 12,043 Hay, tons, 9376 Hogs, 5750 Honey, pounds, 33,300 Horses, theroughbred, 203 Horses, theroughbred, 203 Horses, theroughbred, 203 Horses, theroughbred, 204 Louber, teet, 9,448,000 Mechanics, 1aw, etc. Lumber, feet, 9,448,000	98 940
	Hay, tons, 9376	.97,155
f	Honey pounds 99 200	19,330
0	Horses, thoroughbred, 208,	85,875
	Horses, American, 22,840	997,985
	Jewelry	38,290
3	Libraries, law, etc.	63,850
5	Machinery	392.445
12	Mules, 1781	86,935
11	Pianos 2011	904 785
5 2	Poultry, dozens, 14,708	86,180
11	Sheen graded 150 000	72,205
4	Lambs, 8743	4,910
2	Steam vessels and watercraft, 62	62,590
15	Watches, 5901	95.815
34	Wines, gallons, 485,920	71,490
19	Other property	990 499
57	Jacks and Jennies, 74. Jewelry Libraries, law, etc. Lunber, feet, 9,448,000 Machinery Mules, 1781 Oxen, 2: Pianos, 2011 Poultry, dozens, 14,708 Sewing machines Sheep, graded, 152,282 Lambs, 5743 Steam vessels and watercraft, 62 Wagons, 12,705 Watches, 5901 Wines, gallons, 485,940 Wood, cords, 1559 Other property.	220,023
11	Value of preparity different	\$9,141,758
15	mortgages	\$13,058,846
10	Total Value of property affected by mortgages. Trust deeds and mortgages ACREAGE IN GRAIN.	9,358,211
37	No acres sown, 1889—	C. Telling
	Wheat	50,760
00		50,760 85,290
11	Corn	17,400 17,040
1		
55	Total acreage in grain Total acreage assessed	120,490 1,652,928
8	THE NET ASSESSMENT	
13	From the above assessment	
17	Board of Equalization made	
88	tion of 10 per cent. After ma	king this
12	deduction and equalization	he the

deduction and equalization by the Board of Supervisors, the County Auditor reports totals as follows:

Value of real estate other than city and town lots. \$24,569,935 Value of city and town

town lots	3,236,444 14,112,500	
Total value of improve- ments		17,348,944
Total real estate and im- provements. Value of personal property, including money. Value of railroads ascessed by State Board of Equali- zation.		\$81,627,197 9,038,378 2,981,511
Total value of all prop-		293,647,086

Net assessment Los Angeles county.....

ťo	or 1889-'90 is as follows:	
N	Vithin city limits— Cents	on \$100
	State fund	\$.722
£	Current expense	.25
	School fund	.16
	Hospital	.10628
	Courthouse and jail fund	.10
	Salary fund	.1125
	Interest and sinking fund, 1881	.0013
	Interest and sinking fund, 1882	
	Interest and sinking fund, 1884	
	Interest and sinking fund, 1885	.0255
	Interest and sinking fund, 1887	.012
	Total in altw	01 EO :

THE TAX LEVY

\$84,376,319

Add for country-road	1 tax
Total in country	
"SPECIAL SCH	OOL TAXES.
Districts.	. 1

Alhambra			\$0 4
Aliso			1
Anaheim		*********	. (
Artesia			. 5
Azusa	********		. 1
Azusa City		*********	-
Belvidere			. 5
Bloomfield		**********	. 1
Centralia		*********	
Clearwater			
Compton		*********	2
Crescenta	********	**********	2
Calabasas			
Delhi	*******		1870
Downey	********		2732

3	Duarte	60
Н	El Modena 1	20
и	Enterprise	40
я	Evergreen	70
1	Fullerton	60
ч	Glendora	15
9	Harmony	30
4	Harmony	
a	Highland Park 1	
۹	Hyde Park	25
	Hudson	10
ч	Ivanhoe	50
1	Inglewood	20
)	Lamanda Park	30
П	·Lancaster	15
)	Lankershim	35
1	Laurel	80
П	Los Feliz	45
ı	Long Beach	38
4	Los Virginas	65
	Los Virgines	
Н	La Liebre.	20
1	Monrovia	25
	Morning Side	90
i	New Hope 1	50
	Newhall	40
	Ocean View	30
1	Old River	40
2	Pacoima	50
	Palmdale	05
	Palomares	25
)	Pagadana	35
Н	Pasadena	
	Pico	85
)	Placentia	04
	Providencia	60
П	Providencia Ranchito Redondo	06
П	Redondo1	00
1	Rosedale	25
Н	San Gabriel	30
!	San Pascual	08
1	San Pedro	25
1	Santa Ana	25
)	Santa Monica	15
,	Sanulyada	
П	Sepulveda	20
	Sulphur Springs	55
)	Soledad	12
П	Tejunga	50
1	Tajanta	06
П	The Pelms	30
	University	25
?	Vineland	40
9	Vinedale	40
,	West Vernon	60
)	Wilmington	90
)		20
5	COMPARISONS.	7
5	An analysis of the ton love the	1

An analysis of the tax levy show that it has been slightly increased ove the levy of 1888. That year's lev was \$1.20 in the county and \$1 in the city, thus making an increase of 6 cents in the county and 50 cents in the city. But this does not state the case accurately, because the State lev is increased for 1889. It will be r membered that the recent State levy membered that the recent State levy 72.2 cents, while the year before it we but 50.4 cents, an increase this year 21.8 cents. So that in reality the count levy is increased only 38 and 28 cent respectively in the county and city for the current year. In 1888 the lev was made upon an assessment \$103,000,000, while by the action of the Board of Equalization in reducing the assessment 10 per cent. the present levy is made upon an assessment \$93,647,086, quite a reduction.

BONDED INDESTEDNESS.

The total amount of bonds outstan ing is \$751,500, and cash in the coun treasury applicable to the payment of the indebtedness, \$25,049.37. There is no floating debt. The bonded indebtedness of the county is arranged as follows:

FUNDED DEBT.	Amt. bonds	Amt. bonds outstanding.	Year of maturity	Rate of interest*
Bonds of 1881	\$ 48,000 45,000 84,200 437,000 100,000	45.000 84,500 407,000 100,400	1902 1904 1905 1907	6 %
Totals	\$812,000	\$751.600		

+ Courthous

 Interest payable semi-annually. 	
COUNTY PROPERTY.	
Old Courthouse, estimated value	\$125,000
New Courthouse (now building)	400,000
County Jail	60,000
County Hospital	50,000
County Farm	25,000
Real estate	35,000
Total	\$695,000

AUDITOR'S REPORT.

Showing the Financial Condition of the County. Amount of bonds outstanding, \$751,-

500; no floating debt; interest paid at maturity; cash on hand to pay bonds, \$25,000; most of the bonds bear 4½ per cent. interest per annum and com-mand a premium of 7 to 10 per cent.

Value of real estate and county buildings, not including bridges, \$695,-000.

State and county taxes charged to Tax Collector (to be collected), \$1,452,-390.61; for State purposes, \$654,605.45; for county purposes, \$797,785.16.

Levied for redeeming school bonds

and paying interest, \$81,678.42. Of county taxes \$87,000 is for road

Rate of assessment inside cities, State rate, 722 on the \$100; county rate (within cities), .778 on the \$100; county rate (country), 1.078 on the \$100. For contingent expenses. \$324,688 25

60	Total number of acres of and
40	sessed, 1,652,928.
70 60	Total value of all property not in- cluding railroad property)\$100,656,486 Railroads in Les Angeles county, apportioned by State Board of Lougitzation 2,981.511
15	Railroads in Les Angeles county,
30 55 25	Equalization
25	0103,687,997
50 20	Set off for Orange county, approx- imately 9.270,767
30	Net assessment of the county 94 367 200
15 35	Net assessment of the county 94,367,230 Reduced by the State Board of Equalization to
80	Mortgages assessed in Los Angeles
45 38	Mortgages assessed in Los Angeles county \$10,031,491
65	SCHOOL BONDS OUTSTANDING. Districts—
20 25	El Monte. \$ 1,000 Little Lake 500
90 50	The Pass 720
40	Sepulveda 2,750 Pasadena 12,500
30	Tujanta 500
50	Downey 4,000 Placentia 1,000
25	New Hope 400
35	San Pedro 7.800
85 04	Palomares. 10,000 San Pascual 85,000
60,	mighiand Park 10,000
00	Evergreen Divor
25 30	Compton 1.000
08 25	La Canada
25	Ocean View
15 20	San Dimas 1,500 Athambra 6,500 Sulphur Springs 500
55	Azusa
12 50	Azusa. 2,000 Duarte. 4,000 Harmony 4,900
06 30	Allao 100
25	Eagle Rock Dou
40	Vinedale
60	Crescenta 2,500
20	Santa Monica
ws	Centralia 4,000
ver	The Palms 10,000
vy	El Modena 7,000 Morningside 15,000
he 60	Ranchito 700
in	Inglewood 10,000 Glendora. 4,000
he	Hyde Park 4,000 Pacolma 10,000
vy	Belvidere 6,000
Le-	Artegia 8.000
is vas	Clearwater B,000
10	
aty	Vineland 4 000
for	Mohrovia 10,000 Lamanda Park 8,000 San Gabriel 10,000
VY	San Gabriel 10,000
of	Azusa City. 9,000 Ivanhoe. 4,700
he	West Vernon 12,000
ent	Redondo Beach 5,000 Los Feliz 4,700
of	Lankershim 5,000
3	Old River 2,000
nd-	Soledad
aty	Calabysas 2500
of	Los Virgines. 1,500 Hudson 2,000
	Most of these bonds bear 8 per cent.
the	interest and are worth from 10 to 15 per cent. premium in the market.
- 15-	

COUNTY SCHOOLS.

Statement Compiled by the County Superintendent.

Following are miscellaneous statistics from the County Superintendent's office, for the school year ending June 30, 1889:

Number grammar schools in county. 111
Number primary schools in county. 308
Number nigh schools in county. 111
Number grammar-school course. 3
Number new districts organized. 14
Number districts in county. 133
Number new districts organized. 14
Number districts in county. 133
Number new buildings erected. 25
Number male teachers. 98
Number of fenale teachers. 332
Total number of teachers. 433
Number who are graduates of California State Normal schools. 144
Number who hold California life diplonas. 64
Number who hold California educa-

State Normal schools.

Number who hold California life diplonas.

Number who hold California educational diplomas.

Number districts maintaining schooleight mouths or longer.

Number districts maintaining schooleight mouths or longer.

110

Average number mouths school was maintained in county.

8.59

Average daily attendance in county.

8.70

Average salary male teachers, city.

8.10

Average salary male teachers, country.

8.20

Average salary male teachers, country.

8.30

Average salary female teachers, city.

8.30

Average salary female teachers, country.

8.31

Average salary female teachers, country.

8.32

Average salary female teachers, city.

8.33

Average salary female teachers, country.

8.34

Average salary female teachers, country.

8.35

Average salary female teachers, country.

75

By the organization of Orange county, 28 full districts and portions of six others were taken from Los Angeles county. The school population of this territory, not including the joint districts, is 3775.

FINANCIAL STATISTICS.

FINANCIAL STATISTICS.

Amount of revenue derived from all

for Library, books and appa-

During the school year ending June 30, 1889, books to the amount of \$219,-540.68 were sold for purpose of erecting and furnishing school buildings outside of the city of Los Angeles. Since July 1, 1889, five districts have voted bonds, aggregating \$14,206, with which new buildings are now being erected.

THE COURTS.

How the Legal Business of Los Angeles Is Done

The legal business of Los Angeles county has assumed large proportions during the last few years. It became a necessity during past spring to increase the number of Superior Court judges from four to six; and the new city charter provided for the addition of a city justice and two police judges to the courts of the city. Since the organization of Orange county from a part of Los Angeles county all suits

part of Los Angeles county all suits pertaining to Orange county have been transferred to it, but the volume of business shows but little diminution. In the Superior Courts the dockets are crowded, and the six judges have their hands full in holding their own and keeping along with the business.

By a carefully-arranged system all the civil business in the Superior Courts is handled by four of the departments, while the criminal cases all go to the other two. Were it not for the thorough system followed the six departments would not be sufficient to keep the docket from crowding up with unfinished business.

keep the docket from crowding up with unfinished business.

The different departments dispose of from 400 to 600 cases a year. Until recently there has been no general plan for keeping statistics of the number of cases tried, but each clerk of court now has a register of actions which he keeps, and it will be an easy matter hereafter to obtain definite figures in regard to the business of the Superior Courts.

The United States Circuit and District Courts during the past year have disposed of about 50 cases each, while about 75 cases have been filed in each court.

The justice courts transact a large volume of business. Justices Savage and Lockwood have each tried 600 or 700 cases during the past year, while Justice Austin has not had so many. The police judges in the number of cases tried are, of course, far ahead of all the other courts.

Justice Austin has not had so many. The police judges in the number of cases tried are, of course, far ahead of all the other courts.

The following is a list of the different courts in the city, with the names of the judges and court officials:

United States Courts—Hon. Stephen J. Field, Associate Justice of the Supreme Court of the United States; Hon. Lorenzo Sawyer, Circuit Judge; Hon. Erskine M. Ross, District Judge; Hon. Erskine M. Ross, District Judge; A. W. Hutton, Esq., United States Attorney; William M. Van Dyke, Esq., Clerk; E. H. Owens, Esq., Clerk District Court; D. R. Risley, Marshal; Charles L. Batchellor, Esq., Standing Master and Examiner in Chancery. United States Commissioners, William M. Van Dyke, Los Angeles; L. C. McKeeby, San Buenaventura; Charles Fernald, Santa Barbara; E. H. Owen, Los Angeles; John Mansfield, Los Angeles; M. L. Ward, San Diego.

Superior Courts—Department No. 1, W. A. Cheney, Judge; W. H. Crane, Clerk; C. J. Fox, Reporter; J. C. Cline, Department No. 2, W. H. Clark, Judge; M. J. Ashmore, Clerk; Henry Henderson, Reporter; H. B. Abila, Department No. 3, W. P. Wade, Judge; C. G. Keyes, Clerk; C. F. Rutan, Reporter; H. S. Chappelear, Deputy Sheriff.

Department No. 3, W. P. Wade, Judge; C. G. Keyes, Clerk; C. F. Rutan, Reporter; H. S. Chappelear, Deputy Sheriff.

Department No. 5, J. W. McKinley, Judge; H. S. Knapp, Clerk; F. H. Longley, Reporter; H. C. McClure, Deputy Sheriff.

Department No. 6, Lucien Shaw, Judge; W. L. Warren, Clerk; Leo Longley, Reporter; Peter Reel, Deputy Sheriff.

Department No. 6, Lucien Shaw, Judge; W. L. Warren, Clerk; Leo Longley, Reporter; Peter Reel, Deputy Sheriff.

Department Township Court, Theodore Savage, Justice; J. H. Mel-

Sheriff.

Justice Courts—Township Court
Theodore Savage, Justice; J. H. Mellette, Clerk; H. S. Clement, Constable,
City Justice Court, W. C. Lockwood,
Justice; N. B. Walker, Clerk; Fred C.
Smith, Constable.

Smith, Constable.
City Justice Court, J. M. Austin, Justice; Joe Chambers, Clerk.
Police Courts—Owens, Judge; Stanton, Judge; Luckenbach, Clerk.
The Supreme Court of California meets in Los Angeles the first Monday in April and the second Monday in October of each year. The following counties comprise the district of Los Angeles: Santa Barbara, Ventura, Kern, Inyo, San Diego, San Bernardino, Los Angeles, Tulare, Fresno and San Luis Obispo.
Chief Justice, Hon, W. H. Beatty

Luis Obispo.
Chief Justice, Hon. W. H. Beatty.
Associate Justices: Hons. J. D.
bornton, Charles N. Fox, Van R.

Paterson, J. R. Sharpstein, T. B. Mc-Farland, J. D. Works.

Officers of the Court: George A. Johnson, Attorney-General; W. P. Johnson, Deputy Attorney-General; C. C. Pomeroy, Reporter; J. D. Spencer, Clerk; B. C. Weir, Deputy Clerk, Los Angeles; Frank T. Meagher, Secretary; Henry C. Finkler, Secretary; E. A. Girvin, Phonographic Reporter; Ezra Washburn, Bailiff; W. I. Russell, Bailiff.

Commissioners: I. S. Balcher, H. S.

Commissioners: I. S. Belcher, H. S. Foote, Robert Y. Hayne, P. Van Clief, James A. Gibson. D. B. Woolf, Secretary to Commissioners.

SHERIFF'S OFFICE.

Fees Collected, Criminal and Civil Business Transacted.

The following report showing amount of work done by Sheriff's office of Los Angeles county during the year 1889 is furnished by Sheriff Aguirre:

	Gross Receipts	Disbursements	Paid County Treasurer.
January February March April May June June July August September October November	\$ 2,576 10 2,315 37 3,081 58 3,649 54 2,476 58 2,437 88 2,480 44 2,370 81 2,111 +8 2,990 88 2,562 00 2,700 00	1,649 85 833 13 912 10 1,407 60 881 96 790 80 1,084 6 829 70	

Number of convicts sent to State Pri-on. Number of insance sent to asylum. Criminal suboceas served during year. Cvil subponas served during year. Grand Jurors and witcosses. Number of grand and trial Jurors sum-moned.

Female.... l'omi number discharged.. Number now in fail

COUNTY CLERK.

Business of the Office for the Years 1888 and 1889.

3	Criminal cases		. 2		201 285 366 359
i	RECEIPT	rs.			-
		1886	1	188	0.
	January\$	2,551	70 \$	3,844	05
1	February	2,700	15	8,007	
1	March	3,011		3.812	
1	April	2,588		3.570	
1	May	2.988		4.226	
ı	June	3,831		3.574	
,	July	2 028		9 590	

draw pensions through this office. The fees of the office were reduced 20 per cent. by the last Legislature, taking effect in April, 1889.

All fees are paid into the county treasury.

The office nets the county about \$1500 monthly. Taking into consideration the reduction by the last Legislature the business of the office has increased about 35 per cent. during the year 1889. *Estimated.

Recorder's Statement.
The following statement prepared
by County Recorder John W. Francis,
shows the number of folios received each month during the year, together with the fees collected therefor, and also a statement of those received from the same period in 1888:

MONTH.	1888 :	1888	1889	701108. 1880
January	16 615 55	\$241 89	84,319 91	#188 82
February	6,761 20		5,059 55	224 24
March	7,647 95		5.509 20	237 56
April	6,749 25		*5,028 90	238 55
May	6,750 85		3,933 70	25) 40
June	6,435 65		3,713 30	192 07
July	5,5 8 05		. 3,584 85	187 21
August	6,635 80			153 62
September.				158 18
October	5.114 55		2,371 80	166 18
November.		184 37	3,248 25	178 67
December.	5,455 85	211 98	+3,736 60	195 CO
	\$72,545 25	12,936 7	46,820 10	92 38: 74

*By an act of the Legislature at its twentyeighth session, the fees for recording were
reduced about 49 per c.nt. which took effect
in April, and while the number of instruments filed for record this year, will compare
favorably with those filed in 1888, the feereceived show a decided failing off.

County Treasurer.
Following is a summary of business transacted in the County Treasurer's office for one year, ending November

Cash on hand, December f, 1888...\$ 309,577 74 Total amount received from all

_		-
	sources	
y	Total	1
	Disbursements for school purposes*	
1	For building courthouse, 142,770 42	
ı	Interest and sinking funds 78,695 20	
1	Other county purposes 712.128 38	
	Paid State Treasurer 518,280 85	

Balance on hand Decem-ber 1, 1889..... \$ 158,543 76 *Note.—This item includes salaries libra-ies, special expenses, buildings, school bonds and coupons.

Comparisons.
A comparison of the assessments of the various counties of Southern Call-

fornia in 1880 and 1889 is interesting:			l
Los Angeles	Assess- e ment 1880. \$16,197,591	Assess- ment 1889. \$84,376,319	
San Bernardino	6,005,460 2,576,973	11,831,780 23,267,955 31,560,918	
San Diego. San Luis Obispo. Santa Barbara	4,376 084	15,139,117 15,888,628	١
Southern Californi	3,270,161 a hag 34	8,598,932 per cent.	١

Southern California has 34 per cent. of the area of the State. The assessment in 1880 was 6 per cent. of that of the State—in 1888 it was 20 per cent.—a wonderful growth. Southern California in 1889 has 21 per cent. of the population of the State.

THE CITY.

REPORTS OF MUNICIPAL OFFI-CERS FOR THE YEAR,

Several Departments - Streets Improved — Sewers Laid — City Schools, Library, Po-lice, Water.

N spite of the reactionary times, the city of Los Angeles has been experiencing a regular boom in public improvements during the year just improvements during the year just closed. It is safe to say that in no three years of its previous existence was so much accomplished in this line. The city has thus been "catching up," so to speak, in its public improvements, and overtaking the expansion of the previous phenomenal years of growth. The reports of municipal officers appended show in detail the work accomplished.

CITY ASSESSMENTS,

Shown by the Books of the City

	Assessor.		
1	Value of land	\$31,595,082	00
	Value of improvements	8,859,190	00
	Value of personal property		-00
J	Money		00
١	Franchises	131,095	00
١	Improvements assessed to non-		
١	owners of realty	80,855	00
١	Deductions for mortgages	4,636,010	00
١	Mortgages assessed	4,636,010	00
1	Total value of all property		00
١	Total value after equalization.		00
١	Total tax	516,968	00
١	Date of management	1	10

CITY ENGINEER.

Report on Streets, Sewers and Other Improvements.

In pursuance of division 11, section 58, of article 4 of the new charter, I beg leave to present the following as

beg leave to present the following as my report:

The charter provides that I shall give a statement of the condition, character and cost of all public work and improvements in course of construction during the year. As it has not been the custom heretofore to make annual reports of work coming under the direction of the Surveyor, I deem it advisable to report on all public works done in the city up to date. This I have done in detail.

I also separate from the report the public work done or under construction during the period that the new charter has been in effect.

GRAVELED STREETS.

There are to date 399,906 lineal feet,

There are to date 398,906 lineal feet, or a trifle over 75 miles, of graded and graveled streets within the corporate limits of the city of Los Angeles, and the total sum expended on the same by the city and by private parties is \$1,126,710.

This does not include work executed.

This does not include work accepted since the closing date of this report, such work being reported under the head of "work under contract,"

PAVED STREETS.

The first street pavement laid in the city was laid by the city in front of what was formerly the City Hall lot, now the Bryson-Bonebrake block. This pavement has a concrete base with a surface of bituminous lime rock. It was

surface of bituminous lime rock. It was laid during the latter part of 1885.

We have at present 13,500 lineal feet of bituminous lime-rock pavement, concrete base; 11,466 feet loose rock base; 8113 lineal feet of granite block; 1270 lineal feet of asphalt, concrete base; 2121 lineal feet of asphalt, broken rock base, and 3271 lineal feet of porphyry.

The total length of paved street is 7½ miles; cost, \$875,787.

BRIDGES.

BRIDGES. The number of bridges owned by the city and open for traffic is eleven, eight

of which span the Los Angeles River, one the Arroyo Seco and two the Arroyo de los Posas.

The total length of all the bridges, approaches included, is 4175 feet. The total sum expended on them is \$192,-261. This amount includes the cost of material and erection, together with the cost of removing and refrecting the Ninth-street (formerly First-street) bridge, and the cost of enlarging and raising the Macy-street bridge across the Arroyo de los Posas.

The bridges in detail (the City Engineer's table is more exhaustive than the one here given) are as follows:

NAME,	Length,	Width feet	Cost
	feet.	road,	
Buena Vista. Downey avenue Kuhrts street.	300 318 300	20 40 28	\$32,000 57,640 15,850
First street	300	20 40 20	8,000 67,4:0
Seventh street	300	20	3,000 18,000
Ninth street—moving Daly street and Arroyo Seco Macy street Los Posas—raising	100	18 20	5,973 2,500
Los Posas—raising Los Posas	2014	26 39	1,075 743

The city has built 2376 feet of levee north of Kuhrts street on the east line of the official bed of the Los Angeles River. It cost \$6.50 per lineal foot, or

River. It cost \$6.50 per lineal foot, or a total of \$15,432.

A fraction less than 2455 feet of levee has been built south of Aliso street, at a total cost of \$15,957. One-half this cost was paid by the city and one-half by private parties.

The above is all on the east side of the river, and was built during 1887. It has stood two winters, but there has been no severe flood since the work was completed.

The levee is in poor condition be-

was completed.

The levee is in poor condition between Buena Vista street and Downey avenue and kuhrts street, on the east side of the river. This is now being strengthened by the erection of wings, which will add very materially to the strength of the levee, and if placed close enough together there would be little danger of a washout.

SEWERS.

SEWERS.

We have, to date, 110,000 lineal feet, or nearly twenty-one miles of sewers in the city.

Of that there are: Of cement—6174 feet 22-inch; 8317 16-inch; 5391 14-inch; 4977 12-inch; 12,233 10-inch; 10,326 8-inch; 2556 6-inch.

4977 12-inch; 12,233 10-inch; 10,326 8-inch; 2556 6-inch.
Of vitrided pipe—234 feet of 18-inch; 2831 15-inch; 7848 12-inch; 7904 10-inch; 15,384 8-inch; 9912 6-inch.
Wood—410 feet of 12x12 inches; 415 2x2 inches.
Constructed—999 feet of brick, egg-shaped, 16x24 inches; 3515 feet of 2x3 feet; 2215 feet of 18x24 inches; 650 feet of 3x5 feet, flat bottomed; 1590 feet of 3x4 feet, plank covered, and 6420 feet of 3x4 feet, plank covered.
The California Southern Railroad Company has built a levee on the west side of the official bed of the river from Downey avenue to a point near the south city line. The levee is in a dangerons condition at many points north of First street. The company also encroaches upon the bed of the river some 50 feet at a point detween Downey avenue and Kuhrts street.

STORM DRAINS.

STORM DRAINS.

There are 21,941 lineal feet, or a trifle over four miles, of storm drains in the city.

city.

Of that amount there are:
Cement pipe—9170 feet of 30-inch;
4589 of 22-inch; 2109 of 18-inch; 890 of
16-inch; 680 of 12-inch.
Vitrilied pipe—862 feet of 18-inch;
235 feet of 14-inch; 90 feet of 10-inch.
-Brick conduit—120 feet of 3x5 feet.
Iron rectangular—75 feet of 12x24 inch.

Concrete and wood-1556 feet of 6x3

Wood-closed flumes—710 feet of 3x5 feet; 841 feet of 4x4 feet.
The total cost of the above, as nearly as could be obtained, is \$26,105, inclusive of the zanjas used as storm drains.

drains.

The following map shows the location of the Zanja Madre and other zanjas used as storm drains, and the storm drains (except one of 30-inch pipe, 500 or 600 feet long, at Westlake Park):

ZANJAS.

There are 15 zanjas, some of them each divided into several sections. The total length of all is 17 miles; cost \$136,977.

SIDEWALKS.

There are in the city 70 miles of cement and asphalt walks and 42 miles of granite and cement curbing, as fol-

Curb—cement, 33 miles; cost, \$59,722; granite, 9 miles; cost, \$44,262.
Walk—cement, 67 miles; cost, \$350,-000; asphalt, 3 miles; cost, \$19,000.

As most of the work was done under

rivate contract, the cost is on	ly closely
pproximated. STREETS GRADED	
nd accepted since March 21, 1889	
By the city: clabama, State to Second nn, Main to eastern terminus dama, Main to Figueros rooklyn, Figueros to Swift astolar, Walters to Alpine ourt, Beandry avenue to Bean-	\$8,109 11
nn, Main to eastern terminus	1,243 12 5,970 05
rooklyn, Figueros to Swift	790 52 1,607 12
ourt Beaudry avenue to Beau-	1,001 12
ourt Beaudry avenue to Beaudry street	7 994 97
aly, Hawkins to Schiefflin	7,234 37 436 93 13,731 11
aly, Hawkins to Schiefflin ighth, Main to Alameda leventh, Los Angeles to San	13,731 11
	3,801 00
Pedro lower, Pico to Twelfth. lope, Fourth to Fifth. loff, Water to Wainut. lope, Pacheco to Washington. lucas avenue, Fourth to Diamond avenue, Main to Grand	1,203 77 2,961 83
loff, Water to Walnut	1,660 76
lope, Pacheco to Washington	7,229 83
aurel, Main to Grand	7,229 83 2,346 00
uces avenue, Fourth to Diamond aurel, Main to Grand	2,979 47 895 10
lyrtle avenue, Seventh to Eighth	1,121 71
ttawa, Pearl to Georgia Bell	1,167 19
eminary, Lucas to Lafayette	2,803 27 2,316 53
linth, Hope to Grand avenue, ttawa, Pearl to Georgia Bell euninary, Lucas to Lafayette atton, Temple to Court otello, San Fernando to Main	999 48
	7,123 95 5,309 40
welfth, Main to San Pedro alnut, Kuhrts to Hoff aters, Temple to Court	8,209 75 2,777 85
Aters, Temple to Court	2,777 85
Seco	2,620 00
ark View avenue, Seventh to	4,710 27
llis avenue, Figueroa to Tober-	
manork, Main to Figueroa	3,735 00 3,084 00
-	
Or nearly nine miles, of wh	ich 3730
ess than one mile) were done	by pri-
ate contract, at a cost of \$71	46. All
ne other work was done un rooman Act.	der the
STREET PAVING.	Marie Car
With bituminous limerock:	
ranklin, Fort to Spring, concrete	0 701 70
base	9,791 53 52,746 90 7,341 83
ort, Temple to Sixta. ifth, Main to Hill. ifth, Hill to Olive. onora, Main to New High	7,841 83 1,857 44
onora, Main to New High	1,322 41
hird, Main to Hill	11,225 83 10,182 43
econd, Spring to Mott alley,	
north half, concrete base	1,000 00
Total (8658 feet)	
Broken rock base, when no	t other-
rise specified. With porphyry:	
ort, Sixth to Seventh	1,280 35
ort, Sixth to Seventh	4,334 36
lege	12,325 29
Total (3370 feet)	17,940 00
	7.00
Grand total (11,931 feet),	nted hy
Total length of paving accessive city since March 21, 188	15,641
et, costing \$106,338.39.	
SIDEWALK AND CURB	
Laid since March 21, 1889: ranite curb, 2371 feet, probable	
cost ement curb, 27,656 feet, probable	1,233 90
cost	9,697 60
sphalt walk, 530 feet, probable	635 00
cost ement walk, 9895 feet, probable	
cost	11,274 00
Total, 39,353 ft., probable cost.	22,839 50
It has been impossible to	get the
xact cost of sidewalks, as	ney are
early all laid by private contr The following work has be	en done
nce the new charter has been	in force,
ince March 21, 1889:	
No 6.1 plant from Alisa s	tract to
No. 6-1, piped from Aliso s irst, 1866 feet, with 30-inch	
ipe, \$2917.92.	сещень
Zanja Madre, extended from	First to
anja No. 4, in Second stre	et, 675.6
et of brick conduit 4 feet in d	iameter,
nd 555 feet, 4.5 feet in diar	neter, at
09 per lineal foot \$5034 79	Total
.09 per lineal foot, \$5034.79.	Total,

STORM DRAINS.

At the junction of Main, Spring and Ninth streets, 235 feet of 14-inch vit-rified pipe, 90 feet of 10-inch same, and 75 feet rectangular iron conduit.

1154.

Downey avenue, east of the river, 862 feet of 18-inch vitrified pipe for storm drain; cost about \$800. Total,

Besides, smaller drains, put in in various localities by the Street Super-intendent.

SEWERS. The following have been constructed and accepted:

Opper Main, Alpine to Alameda,		
592 feet, 8-inch pipe	\$543	7
Drange, Kip to Farragut, 8-inch,	0	~
642 feet	609	0
Castelar, Bellevue to Alpine, 8-		
inch, 1305 feet	1,166	7
tosas, Bellevue to the north, 8-		
inch, 867 feet	986	2
North Philadelphia, Bellevue to		
Alpine, 8-inch, 1136 feet	1,289	9
South Philadelphia, Bellevue ave-	. 1	
nue southerly, 8-inch, 633 feet	740	0
Walters, Buena Vista to Yale, 8-		
inch, 828 feet	919	4
Bernard, Buena Vista to Yale, 8-		
inch, 740 feet	668	. 0
Ann, Weyse to Main, 8-inch, 580		
feet	520	0
Buena Vista, Savoy to Solano, 10-		

Bellevue, Buena Vista to South Philadelphia, 10-Inch, 1364 feet.	1,754	15
New Main, Alameda to Elmyra, 12-inch, 2363 feet	2,763	
New Main, Elmyra to Wilhardt, 10-ineh, 2201 feet	2,311	45

Total length, 15,565 feet, cost.\$16,730 6 which add \$700, as noted be-

All the above were constructed under the Vrooman Act. The cost includes a terials, construction and incidental spenses, such as engineering, inspect-

ig, etc.
The material used was vitrified, salt-lazed pipe. The manholes and flush mks are constructed of brick and iron. he head of each of the laterals is pro-ided with a 150-gallon flush tank, he cost of flush tanks and manholes increased above.

increased above.
In addition the city has built 242 feet to 10-inch vitrified sewer-pipe sewer a Sonora street, and 461 feet of 8-inch trified sewer on Aliso street, at a set of about \$700.

BRIDGES.

The following have been completed ad opened to the public: Across the

iver:

Downey avenue—Iron and steel, ratt truss and deck bridge in three pans of 100 feet each; iron approaches, he north one 97 and the south one 15.50 feet in length; roadway 40 feet ride, and sidewalks 23 feet wide on ach side. Cost, \$57,640.

First street—Similar to the above, xeept in length of approaches; east-rn approach 91 feet; western 597.22 in length. Cost, \$67,400.

Over the Arroyo de Los Posas, Aliso treet—King post truss bridge, 70 feet long; cost, \$743. Ten feet in width was fterward added by the Los Angeles lable Company, and at its expense.

Macy street—Raised and enlarged; ost, \$1075.

Besides these the old covered bridge has turned over to the city by the contribute 15 1800.

Besides these the old covered bridge cas turned over to the city by the county July 15, 1889, without cost. The ame has since been raised at the east nd to meet the grade of the newly-raded street; cost, \$275.

Total expenditures on bridge work ince March 21, 1889, \$127,133.

Work under way:

GRADING AND GRAVELING.

Almanda Wood to Feet Length
Alvarado, Ward to west city line 5,923
Aliso, river to Pleasant avenue 1,780
Bellevue avenue, Beaudry to Laguna
avenue 3,881
Rixei, Ward to Arnold
Edgeware road. Carrol avenue to Waters 1 had
Farrague, Seventh to ward
Urange, Kip to Alvarado K900
Seventh, Park View to Alvarado 1,200
Ward, Alvarado to Park View 1.177
Arnold, Loma Drive to Columbia 28
Calumet avenue, East Rigeware road to
Waters. 578 Fourth, Main to Los Angeles. 273
Fourth, Main to Los Angeles 373
First, Mott to Evergreen 1 165
Flower, from Pine southerly 25
Grand avenue. Third to Fourth 700
Kellam avenue
Loma Drive, Ward to Arch
Loma Drive, Ward to Arch
Maple avenue, Seventh to Eighth
Myrtle avenue, Seventh to Eighth 585
Rodney avenue. Main to Manle. 1040
Third, Bixel to Beaudry 1.430
Waters Temple to Edgeware road. 1 497
San Pedro, Fifth to Washington 4 700
Adams, Main to San Pedro 1.8:0
Second, Belmont to Figueroa 2517
Louisiana avenue, Boyle avenue to Cui-
cago street
7.000
Total

PAVING.

New High street is being paved from ranklin to Temple with bituminous ne rock (concrete base), 583 feet. SEWERS.

There are being laid 13,878 feet of wers, under ordinance No. 165, in the llege Hill district.

STORM DRAINS.

Twenty-two hundred feet of 30-inch cement pipe is being laid in Kuhrts street for the purpose of carrying the storm water from the vicinity of Kuhrts and Walnut streets to the river.

Zanja No. 3 is being piped with 30-inch cement pipe from Second street 900 feet southerly.

LEVEES.

Seven levee wings are being built along the east side of the Los Angeles River, between Kuhrts street and Buena Vista street, at a cost of \$172 each. Since completed.

STREET SUPERINTENDENT.

Report in Detail of the Year's improvements.

The City Superintendent of Street

reports as follows:

In accordance with section 58, article 13, of the city charter, I here-with present my annual report from the commencement of my term of office, viz., March 22, 1889, to date, being a report of the number of feet of graded and graveled streets con-structed, with cost of same; number of feet of streets paved, together with 1,134 51 1,838 75

number of feet of sewers laid and in use in the city.

I will here state that upon taking possession of my office 1 found the same in a perfect chaotic state, and was compelled to organize as fast as I became familiar with the duties.

First—Number of feet of graded and graveled streets constructed this year, 55,080.78; cost of same, \$133,576.03.

Second—Number of feet of paved streets, 11,590; cost of same, \$104,637.70; making a total number of feet paved, graded and graveled, 68,770.50; cost of same, \$28,351.73.

Third—Number of feet of sewers laid, 17,763.50; cost of same, \$20,458.40.

Fourth—Total number of feet of graded and graveled streets now in the city, 25,926.61.

Sixth—Total number of paved streets now in use in the city, 25,926.61.

Sixth—Total number of both graded and paved streets in the city, 282,294.39 feet.

Seventh—Total number of feet of

feet.
Seventh—Total number of feet of sewers now in use in the city, 87,070.50 feet. There is also in course of construction 13,876 feet of sewers that will be finished soon.

Appended find tabulated statement of each street graded or paved and sewers built. W. E. Morford, Street Superintendent.

STREETS IMPROVED FROM MARCH 21 TO DECEMBER 1, 1889,

	DECEMBER 1, 1000,	Maria Land
Street.		ovement.
Arcadia	Main to Los Angeles	Macad
Fort .		Bitumin
Fifth	Main to Hill	Bitumin
Fourth	Main to Hill	Bitumin -
Fifth	Hill to Olive	Bitumin
Fort & work	Sixth to Seventh	Macad
	Fort to Spring	Bitumin
Sonora	Main to New High	Bitumin
Second (8%)	Main to Spring	Bitumin
Third	Main to Hill	Bitumin
Tinner Main	Marchessault to Alm'da	
Ann	Main to east terminus	Graded
Alabama	Lake Shore to State	Graded
Adams	Main to Figueroa	Graded
	Figueroa to Swift	Graded
Brooklyn	Figueroa to Switt	Graded
Collade	Diamond to Western	
Court	Beaudry to Beaudry	Graded
Castelar	Walter to Alpine	Graded
Daly	Hawkins to Schieffelin	
Daly	Lacy to Swain	Graded
Eleventh -	Los Apgeles to S. Pedro	Graded
Eighth	Main to Alameda	Graded
Killis	Figueroa to Toberman	Graded
Estrolla	Washington to Blus	Graded
Flower	Twelfth to Pico	Graded
Hope	Fourth to Fifth	Graded
Hill	Pice to California	Graded -
Hope	Pacheco to Washington	
Hoff	Walnut to Water	Graded
Heliman	Downer to Hoff	Graded
Lucas	Pourth to Diamond	Graded
	Main to Grand	Graded
Laurel	Downey to Hoff	Graded
	The bridge to Bridge	Graded
Macy	The bridge to bridge	Graded
Maple	Feventh to Eighth Seventh to Eighth	Graded
Myrule	Becenta to signta	Graded.
Ninth	Grand to Hope	Graded
Ottawa .	Pearl to Georgia Bell	Graded "
Patton	Temple to Court	Graded
Seventh	Alameda to River	Graded
Seminary	Lucas to Lafayette	Graded
Santee	Eleventh to Twelfth	Graded
Sand	Castelar to Pavilion	Graded
Sotello ·	San Fern'do to N. Main	Graded
Silver .	Beimont to Lucas	Graded
Twelfth	Main to San Julian	Graded
Third	Main to Los Angeles	Graded
Waters	Temple to Court	Graded
Water	Downey to Arroyo	Graded
York	Downey to Arroyo Main to Figueroa	Graded
Belmont	Second to Silver	Graded
	Seventh to Ward	Graded
Park View	Virginia to Belmont	Graded
First	Figueroa to Lucas	Graded
Second	Temple to Edgware R'd	Graded
Waters	Temple to Bakware R a	Graded

NAME OF STREET : 5

EXTENT AND COST OF IMPROVEMENT

Fort	1,001.37	7 341 86 6	0.00
Fifth	1,001.25	10.182 43 6	
Fourth			
Fifth	330.36		0.00
Fort Second (N½)	603, 23	4.334 36 8	
Second (N1/4)	330.50	1.020 97 8	0.00
Bonora	164.20	1,322 41 3	7.31
Second (81/4)	- 334.97	1,000 00 6	0.00
Third	1.0.4.37	11,225 83 6	0.00
Upper Main	2,483.59	12 325 15 6	3.83
D pper mana		-	
Total paved and			
graded	11,589.61	\$104,637 15	-
Ann	719.79	1.243 12 0	00 0
Alabama	949.00	3 109 11 5	
Adams	2 358 62	5 970 05 8	
Brooklyn	495,00	790 12 6	0.00
Callada	1 832 58	7,224 37 6	
Collade	1.577.00		0.00
Court	724.31		
Castelar		436 92 6	0.00
Daly	676, 50 800, 00		
Daly		1,600 00 7	
Eleventh	1,810.00	3,8.1 00 6	
Eighth	6,051.41		0.00
	January .	162	0.00
Rilis avenue	2 490,00		6.0)
Estrella avenue	1,380,00	3 174 06 5	
Flower	678, 00	1.238 57 8	0.00
Hope	645.87	2,961 83 8	0.0)
Hill	630, 60		0.00
Hope	540.00	999 00 8	0.00
Hoff	840.00	1 060 768	J. 00
Hellman	780.00	2 340 00 6	
	780 60 1,706 60	2 340 00 6 7,220 83 6	00.0
Hellman Lucas avenue Laurel	780 60 1,706 60 1,380 00	2 340 00 6 7,220 83 6 2,346 00 6	0.00
Hellman Lucas avenue	780 00 1,706 60 1,380 00 330 00	2 340 00 6 7,220 83 6 2,346 00 6 840 00 6	0.00 0.00 0.00
HellmanLucas avenue Laurel Lecouvreur	780 00 1,706 60 1,380 00 390 00 1,422 80	2 340 00 6 7,220 83 6 2,346 00 6 840 00 6 2,979 47 6	0.00 0.00 0.00 0.00
Hellman Lucas avenue Laurel	780 00 1,706 60 1,380 00 390 00 1,422 80 742 60	2 340 00 6 7,220 83 6 2,346 00 6 840 00 6 2,979 47 6	0.00 0.00 0.00
Hellman. Lucas avenue. Laurel. Leoouvreur. Macy. Maple.	780 00 1,706 60 1,380 00 390 00 1,422 80	2 340 00 6 7,229 83 6 2,346 00 6 849 00 6 2,979 47 6 805 10 6	0.00 0.00 0.00 0.00
Hellman. Lucas avenue. Laurel. Lecouvreur. Macy Maple. Myrtle	780 00 1,706 60 1,380 00 390 00 1,422 80 742 60	2 340 00 6 7,229 83 6 2,346 00 6 849 00 6 2,979 47 6 805 10 6	0.00 0.00 0.00 0.00 0.00
Hellman. Lucas avenue. Laurel. Lecouvreur. Macy Maple. Myrtle Ninth	780 00 1,706 60 1,380 00 330,00 1,422 80 742 60 767,90	2 340 00 6 7,220 83 6 2,346 00 6 840 00 6 2,979 47 6 805 10 6 1.121 71 6 506 69 6	0.00 0.00 0.00 0.00 0.00
Heliman. Lucas avenue. Laurel. Lecouvreur. Macy. Maple. Myrtle Ninth Ottawa	780 00 1,706 60 1,380 00 330, 00 1,422,80 742,60 767,90 338,70 8,02,40 905,41	2 340 00 6 7,220 83 6 2,346 00 6 840 00 6 2,979 47 6 805 10 6 1.121 71 6 506 69 6	0,00 0,00 0,00 0,00 0,00 0,00 0,00
Heliman Lucas avenue. Laurel Lecouvreur. Macy Maple. Myrtle Ninth Ottawa Patton.	780 00 1,706 60 1,380 00 300 00 1,422 80 742 60 767 90 338 70 862 40	2 340 006 7,229 83.6 2,346 006 840 006 2,979 47.6 805 10.6 1.121 71.6 506 69.6 1.167 19.5	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Heliman Lucas avenue Laurel Lecouvreur Macy Maple Myrtie Ninth Ottawa Patton Seventh	780 00 1,706 60 1,380 00 330, 00 1,422,80 742,60 767,90 338,70 8,02,40 905,41	2 340 00 6 7,229 83 6 2,346 00 6 840 00 6 2,979 47 6 805 10 6 1 121 71 6 506 69 6 1 167 19 6 2,316 52 5 7,123 938	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Heliman. Laura avenue. Laurel. Lecouvreur. Macy Maple. Myrtle Ninth Ottawa Patton. Seventh Beminary.	780 00 1,706 60 1,380 00 300 00 1,422 80 742 60 767 90 338 70 802 40 905 41 3,202 00 573 00	2 340 00 6 7,220 83 6 2,346 00 6 849 00 6 849 10 6 805 10 6 1 121 71 6 506 69 6 1-167 19 5 2,316 52 5 7,123 95 8 2 8 G 87 5	(7.00 (0.00
Heliman Lucas avenue Laurel Lecouvreur Macy Maple Myrtie Ninth Ottawa Patton Seventh Beminary Santee	780 00 1,706 60 1,380 00 300 00 1,422 80 767 90 338 70 8.2.40 905.41 3,202 00 573 00 595 20	2 340 00 6 7,220 83 6 2,346 00 6 840 00 6 8,979 47 6 805 10 6 1,121 71 6 506 69 6 1,167 19 5 2,316 52 5 7,123 95 8 2 8 6 8 7 6 1,368 96 0	(7.00 (0.00
Heliman. Lucas avenue. Laurel. Lecouvreur. Macy Maple. Myrtle Ninth Ottawa Patton. Seventh Seminary. Santee Sand	780 00 1,706 60 1,380 00 300 00 1,422 80 742 60 767 90 338 70 8.02 40 905 41 3,202 00 505 20 516 00	2 340 00 6 7,220 83 6 2,346 00 6 846 00 6 2,979 47 6 805 10 6 1 121 71 6 566 69 6 1-167 19 5 2,316 52 5 7,123 95 8 2,86 87 5 1,368 96 6 475 24 6	(0,00 (0,00 (0,00 (0,00 (0,00 (0,00 (0,0) (0,0) (0,0) (0,0) (0,0) (0,0) (0,0) (0,0) (0,0) (0,0) (0,0) (0,0) (0,0)
Heliman Lucas avenue Laurel Lecouvreur Maple Maple Myrtie Nuth Ottawa Patton Seventh Beminary Santee Sand Sotelio.	78.0 CO 1.706.60 1.380.00 330.00 1,422.80 742.60 767.20 333.70 862.40 965.41 3,202.60 573.00 595.20 616.00 745.00	2 340 006 7,220 836 2,346 006 2,979 476 805 106 1,121 716 566 606 1,107 195 2,316 625 7,123 638 2,875 1,368 966 975 246 999 484	(0,00 (0,00
Heliman. Lucas avenue. Laurei. Lecouvreur. Maey Maple. Myrtie Ninth Ottawa Patton. Seventh Beminary. Santee Saud Settello. Silver.	78.0 CO 1.706.60 1.380.00 330.00 1,422.80 742.60 767.20 333.70 862.40 965.41 3,202.60 573.00 595.20 616.00 745.00	2 340 00 6 7, 220 83 6 2, 346 00 0 844 00 0 8, 40 00 0 8, 40 00 0 8, 40 00 0 1, 121 71 6 60 69 6 1, 121 71 8 7, 121 83 8 2, 86 87 5 1, 86 89 90 67 5 24 6 999 48 4 4 878 20 0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Heliman Lucas avenue Laurel Leocuvreur Macy Maple Myrtie Ninth Ottawa Grounth Beninary Santeo Santeo Saud Sotello Silver Twelfth	78.0 00 1.706.60 1.380.00 300.00 1.422.80 742.60 767.90 338.70 862.40 965.41 3.202.00 573.00 506.20 516.00 745.00 1.202.40	2 340 006 7,229 836 7,229 836 849 006 849 006 855 106 1 121 716 566 696 1 167 195 2 346 625 7 129 936 075 246 999 484 4 378 296 5 56 486	(0,00 (0,00) (0,00) (0,00 (0,00 (0,00) (0,00 (0,00) (0,00 (0,00) (0,
Heliman. Lucas avenue. Laurel. Lecouvreur. Maey Maple. Myrtle Ninth Ottawa Patton. Seventh Beminary. Santee Saud Setello. Silver. Twolfth	78.1 CO 1.706 60 1.380 00 390, CO 1.422.80 787.90 338.70 8.22.40 9.65.41 3.292.90 516.00 516.00 1.202.40 2.209.59 430.00	2 340 00 6 7,220 83 6 840 00 6 840 00 6 895 10 6 1,121 71 6 566 69 6 1,121 71 3 2,316 52 5 7,123 938 2,316 52 5 7,123 938 4,375 24 6 999 48 4 4,378 29 6 6,566 48 6 1,200 00 6	(0,00 (0,00) (0,00) (0,00 (0,00) (0,00 (0,00) (0,00 (0,00) (0,
Heliman. Lucas avenue. Laurei. Leoouvreur. Maoy Maple. Myrtie. Ninth. Ottawa Pratton. Seventh. Seventh. Seventh. Solutio. Silver. Twoftth Third Waters.	783 00 1,766 60 1,380 00 1,422 80 742 80 742 90 308 70 82 49 905 41 3,292 00 573 00 516 00 1,202 40 2,209 59 430 00 902 80	2 349 006 7,229 836 7,234 006 849 006 849 006 1,221 716 566 696 1,121 716 2,316 825 7,123 638 2,875 246 999 484 4,378 226 1,290 006 1,290 006 1,29	00,00 00
Heliman. Lucas avenue. Laurel. Lecouvreur. Maey Maple. Myrtie Ninth Ottawa Patton. Seventh Beminary. Santee Saud Setello. Silver. Twolfth Third Waters. Water	781 00 1,706 00 1,300 00 1,422 80 742 80 767 90 882 40 96.6 41 3,222 90 513 00 616 00 745 00 1,222 40 2,209 59 430 00 1,121 00 1,111 00	2 340 006 7, 220 836 7, 234 006 840 006 840 006 845 106 1, 121 71 86 166 656 1, 167 195 2, 316 625 7, 123 938 2, 863 875 1, 398 936 6, 556 836 6, 556 836 1, 290 006 2, 777 855 2, 662 006	(0,00 (0,00
Heliman. Lucas avenue. Laurel. Lecouvreur. Maey Maple. Myrtie Ninth Ottawa Patton. Seventh Beminary. Santee Saud Setello. Silver. Twolfth Third Waters. Water	781 00 1,706 00 1,300 00 1,422 80 742 80 767 90 882 40 96.6 41 3,222 90 513 00 616 00 745 00 1,222 40 2,209 59 430 00 1,121 00 1,111 00	2 349 006 7, 228 83 6 7, 248 83 6 849 006 849 006 849 006 1 121 71 6 566 69 6 1 127 71 71 71 71 71 71 71 71 71 71 71 71 71	17,00 10,00
Heliman. Lucas avenue. Laurel. Lecouvreur. Maey Maple. Myrtie Ninth Ottawa Patton. Seventh Beminary. Santee Saud Setello. Silver. Twolfth Third Waters. Water	781 00 1,706 00 1,300 00 1,422 80 742 80 767 90 882 40 96.6 41 3,222 90 513 00 616 00 745 00 1,222 40 2,209 59 430 00 1,121 00 1,111 00	2 340 006 7, 229 83 6 2, 346 006 849 006 849 006 1, 121 71 6 666 650 1, 127 71 19 5 2, 316 52 5 2, 816 37 5 1, 368 90 6 5, 556 486 2, 777 85 5 1, 200 006 2, 777 85 5 2, 684 006 2, 684 006 3, 684 006 2, 688 006	00,00 00
Heliman. Lucas avenue. Laurel. Lecouvreur. Macy Maple. Myrtle Ninth Ottawa Patton. Seven th Seminary. Sand. Seleto. Field. Waters. Water York. Felmont. Park View avenue	781 00 1,706 60 1,706 60 1,380 00 320 00 1,422,80 742,80 742,80 822,40 822,40 9573,00 6565,20 616 00 1,202,40 902,80 1,191,00 2,570,00 788,00 1,175,50	2 340 006 7, 229 83,6 7, 346 006 2, 346 006 2, 979 47,6 805 107 107 107 2, 316 62,6 7, 123 63,8 2,8 6,3 7,5 2,8 6,3 7,5 2,6 2,9 8,6 1,200 006 2,7 77 85,5 2,6 2,0 006 2,6 88,0 01 2,7 77 85,5 01 2,	00 00 00 00 00 00 00 00 00 00 00 00 00
Heliman. Lucas avonue. Laurel. Lecouvreur. Mapy Maple. Myrtle Ninth Ottawa Patton Seventh Seminary. Santee Saud Sotello. Silver. Twolfth Third Waters. Water York. Pelmont. Park View avenue First	781 00 1,706 00 330,00 1,422,00 787,90 965,41 3,222,00 505,20 516,00 1,222,40 2,209,50 420,00 1,122,40 2,209,50 1,120,10	2 340 006 7, 220 836 7, 230 836 8, 345 006 2, 979 476 8, 95 10 1, 121 716 6, 600 1, 121 716 7, 123 9, 14 7, 123 9, 14 7, 124 9, 14 7, 1	37,00 30
Heliman. Lucas avenue. Laurel. Lecouvreur. Macy Maple. Myrtle. Myrtle. Ninth. Ottawa Patton. Seventh Beminary. Sand. Stello. Twolfth Third Waters. Water York. Pelmont. Park View avenue First Second	781 00 1,706,60 1,380,00 1,380,00 1,422,80 742,80 742,80 742,80 82,40 96,6,41 3,202,90 965,20 5616,00 962,80 1,120,40 962,80 1,191,00 748,00 1,170,50 1,170,50 1,170,50	2 340 00 fc 2 340 40 fc 2 340 60 fc 2 340 fc 2 340 60	0,00 0,00
Heliman. Lucas avonue. Laurel. Lecouvreur. Mapy Maple. Myrtle Ninth Ottawa Patton Seventh Seminary. Santee Saud Sotello. Silver. Twolfth Third Waters. Water York. Pelmont. Park View avenue First	781 00 1,706 00 330,00 1,422,00 787,90 965,41 3,222,00 505,20 516,00 1,222,40 2,209,50 420,00 1,122,40 2,209,50 1,120,10	2 340 006 7, 220 836 7, 230 836 8, 345 006 2, 979 476 8, 95 10 1, 121 716 6, 600 1, 121 716 7, 123 9, 14 7, 123 9, 14 7, 124 9, 14 7, 1	0,00 0,00
Heliman. Lucas avenue. Laurel. Lecouvreur. Macy Maple. Myrtle. Myrtle. Ninth. Ottawa Patton. Seventh Beminary. Sand. Stello. Twolfth Third Waters. Water York. Pelmont. Park View avenue First Second	78. 00 1,706. 60 1,390. 00 1,390. 00 1,422. 80 742. 80 742. 80 742. 80 742. 80 743. 90 1,422. 80 1,222. 40	2 340 00 fc 2 340 40 fc 2 340 60 fc 2 340 fc 2 340 60	0,00 0,00

SEWERS CONSTRUCTED IN THE CITY OF LOS ANGELES FROM MARCH 21 TO DECEMBER 1, 1889.

Street.	I os Ang		OR.		nede
Ann	New Ma	n to S	an	Pe	rnando
Bellevue	Buena V	ista t	0 8	. P	hilad'phia
	Buena V	ista to	Y	ale	
Buena Vista	Beruard	to Sol	an	0	
Castelar	Alpine to	o Belle	PV	10	
Cast-lar	Temple t				
	Bellevne				
New Main	Alameda			ard	
	Kip to F			-	
	Bellevue			10	
S. Philadelphia Sonora	Bellevue				
	Main to			n	
Temple Upper Main	Alpine t			44	
	Buena V	inte to	Y	ala	
TO MILEOTE		Taus FC			
STREETS.	Length	Size	Manholes	Flush tanks.	Total cost
Atiso	461, 10	8	1	7	*398 00
Ann	580.00		î	1	454 50
Bellevue	1,364 50	10			1,754 1914
Bernard	740.39		i	1	663 66
Buena Vista	2,315,30		8		2 963 23
Castelar	1,304.75		8 2 3	2	1,166 57
Castelar	1,135,15	8	3	1	+903 00
N. Philadelphia	1.145.60		2	1	1 239 99%
New Main	4,563.50	10& 12	15		6.316 79

Total. 17,763 50

Philadelphia

POLICE.

Report of the Chief of the City Po-

\$20,458 40.

lice Department for 11 Months. Los Angeles enjoys the benefit of a most efficient police force. Details are given from a report presented by the Chief to the City Council early in December.

The report shows that the police force consists of 90 men, exclusive of the Chief and matron, and the total number of arrests from January 1st to November 30th, inclusive, was 3407, the highest number in any one month being 585, in February, and the lowest, 188, in July. Of the 3407 persons ar-

188, in July. Of the 3407 persons arrested, 2971 were convicted, 384 were dismissed, and 52 were bound over to appear before the Superior Court.

The detective branch of the department also shows up well, 590 of the arrests having been made by that arm of the savice. Bestdes, atolen property to the amount of 86397.75 was recovered as follows: Innuar recovered, as follows: January, \$784.50; February, \$846; March, \$827.75; April, \$542; May, \$478; June, \$237; July, \$149; August, \$736; September, \$896; October, \$1161; November, \$240.

\$896; October, \$1161; November, \$240. The total amount of delinquent licenses collected by the department was \$1773.65, as follows: January, \$197.15; February, \$302.50; March, \$234.50; April, \$355.50; May, \$294; June, \$251.50; July, \$77.50; August, \$32; September, \$225; October, \$4. The striking decrease in the collections during the latter months is explained by the fact that when the new Police Commission came into office under the new charter saloons were compelled to pay up their licenses promptly on the first of each month, the penalty for failure to do so being the forfeiture of license. Besides this an additional license inspector was appointed last July, which had the effect of relieving the department from a greater portion of this work.

During the year \$15.026.95 was de-

of this work.

During the year \$15,026.95 was deposited at the police station as bail money, and \$1654.65 was paid in as fines after commitments had been

fines after commitments had been issued.

The total number of days' work done by the chain gang amounted to 3261 days, equivalent, at \$1 a day, to \$3261.

The total number of meals furnished prisoners in the City Prison was 23,567, at a cost of \$2945.87, from which t will be seen that the work of the chain gang paid a profit to the city, even after feeding all the prisoners.

The amount of miscellaneous work performed by the force was very great, among other things 481 warrants and 1586 subpœnas being served, besides which 935 jurors were summoned. In addition to this, 234 loose horses and 18 head of stock were picked up and returned to their owners, and 104 lost children were found and restored te their parents.

The patrol wagon earned all that it cost, and a good deal more, 1408 persons having been hauled to the stations.

The patrol wagon earned all that it cost, and a good deal more, 1408 persons having been hauled to the station, to do which it was necessary to travel 1224 miles.

At the station during the 11 months 296 lodgers were accommodated, and 256 persons were booked for medical treatment. Twenty-one insane people were temporarily cared for, and 24 sick were sent home, an exhibit that shows that the Police Surgeon has earned his salary, and emphasizes the great necessity for a receiving hospital.

The following comparative statement, embedied in the report, which explains itself, will be found of interest, as showing how the Los Angeles.

department compares with that of other cities:

CITIES.	Population	Area in acres	Ne. policemen	No. of acres to each officer	No. inhabitants to each officer
New York Philadelphia	1,750,000				533.86 606.97
Chicago	800,000	23,680	1145	20.69	698.62
Brooklyn St. Louis	757,000		9:28		815.7± 792.80
Boston	425,0:0	23,680	:90	29.97	537.98 537.68
San Francisco	350,000		405	65.97	864.80
Cincinnati Los Angeles	825,000 80,000	15,360 18,596	414		785.03 888,88

In this connection it may be well to state that the discipline of the force was never better than at the present time, nor the city in better condition from a police standpoint.

PARKS.

Report of the Board of Park Com-missioners.

The Park Commissioners report that

they assumed control of the parks of this city on their organization, March 23, 1889, and at that time found the Plaza Park and Sixth-street Park open to the public, and considerable progress made in preparing the 50-acre park in East Los Angeles for use as such, and but a commencement made in Westlake Park, several thousand trees set out in Elysian Park, and nothing done with Prospect Park. Since that time the following work has been done:

This park, being 600x330 feet, was found admirably kept and in good condition, and a favorite resort for the public. The principal improvements since made have been the setting out of trees and preparing for grass the surrounding sidewalks. The expense of this work and caring for the park has been \$1112.26.

PLAZA PARK.

The Plaza Park, being a circle of 210 feet in diameter, was found beautifully arranged and requiring no additional improvements. It has been so kept at a cost of \$331.65.

The 50-acre park in East Los Angoles was found to have had considerable

preliminary work done therein, and the improvements since made consist the improvements since made consist of grading and graveling the drives and walks and the intervening ground, setting out trees, shrubs and flowers, and preparing lawns ready for the grass. Drives graded, 4100 feet, 36 feet wide; of which 1,900 feet have been graveled; paths graded, 1000 feet, 10 feet wide.

In this park is the propagating house for all the parks, the cost of which is not included in the amount herein stated as the expense of the park. It amounts to \$3,694.91.

PROSPECT PARK.

PROSPECT PARK.

A beautifully-located park in Brook lyn Heights on which nothing has been previously done, and containing two and a half acres and having a small brick-cemented reservoir in its highest elevation.

elevation.

The ground work of this park has been completed, and consists of the grading and graveling of the walks, the placing of the water pipes, the setting out of necessary trees, shrubs and flowers and the starting of the lawns. Cost of labor and material, \$1,560.20.

WESTLAKE PARK.

This consists of 35 acres, and surrounded by Seventh street, Park View avenue, Ward and Alvarado

View avenue, Ward and Alvarado streets.

The commissioners found this park commenced, but in such a condition as to require a large expenditure for grading and banking up the shores of the lake, the building of rock-work for tool houses and embankments, the building of bulkhead and the setting in of the necessary waste pipe to drain the lake.

Almost the entire landscaping surrounding the lake, which has some 3000 feet of shore line, and lying between the interior driveway and the lake, is completed and planted out with trees, shrubs, flowers and vines of rare varieties, and a portion of the grass lawn growing. The water pipas are laid and completed inside of the interior driveway and the walks have

are laid and completed inside of the interior driveway and the walks have been graded and graveled.

The interior driveway has been graded and temporarily curbed and partially graveled. The sidewalks along Park View avenue have been, planted with greyillea and pepper trees, and the ground is being prepared on the park side of Alvarado street.

In consequence of the improvement of this park, the city and property-owners have nearly completed the grading and graveling of the streets surrounding the park, which has greatly added

excellence of the future, was found much in the state that Nature left it, there being about 35,000 trees—eucalyptus, pepper, pine and cypress—set out and growing therein, and that comprised the extent of improvements so far made.

so far made. Since that time there have been set out Since that time there have been set out about 50,000 trees of different varieties, including eucalyptus of 27 varieties; live oak, pine of several varieties, peper, Monterey eypress—covering an area of nearly 100 acres. These trees have been taken care of, and there has been roughly graded about one-half mile of roadways, to allow water to be healed to the trees. to be hauled to the trees.

Surveys have been made in this park to a limited extent, but a topographical survey should be made so that the park can be intelligently laid out and trees planted in accordance therewith. The cost of labor and materials for this park has been \$3906.30.

CITY HALL PARK. This is a piece of ground 47x165 feet adjoining the City Hall on Fort street, adjoining the City Hall on Fort street, on which nothing had previously been done. It has lately been graded and drives and walks laid out, it being necessary to fill in the rear of the lot about two feet. The two shadiest corners have been filled with leaf-mold in order to set out ferns therein. This park is now ready for setting out trees, shrubbery, etc., so far as the ground is concerned. The drives ind walks, however, should be paved to make the work effective. Cost of labor and material, \$364.75.

NURSERY. The nursery is in the 50-acre park, and comprises a hot-house 15x50 feet, a lath house 30x50 feet, and 18 sashes for

hath Rouse on two men employed.

There have been two men employed in propagating trees and plants for the several parks and there have been produced 500 boxes of border plants, 10,000 duced 500 boxes of border plants, and many about the several flowers.

	Exercise and investment investment and the second s	Eur.
1	RESUME OF EXPENDITURES.	01
	Sixth-street Park \$ 1,119	2
	Plaza Park	5
	East Side Park 3,694	
	Prospect Park 1,560	2
	Westlake Park 9,627	9
	Elysian Park 2,906	
	City Hall Park 364	
	Nursery 964	
	General expenses 221	5
	Total	49

CITY SCHOOLS.

Report of SuperIntendent Friesner

W. M. Friesner, Superintendent of the Public Schools of Los Angeles, presents his annual report to the Board of Education, of which the following is a synopsis:

At the close of the school year, June 30, 1889, the condition of the schools, in every respect, differs but little from

that of the previous years.

The teachers labored faithfully, and performed their allotted work as well as possible under the adverse condi-tions of short hours and cramped acmmodations.

tions of short hours and cramped accommodations.

Twenty permanent school-rooms—four on Chestnut street, four on Macy street, four on Tenth street, four on Montgomery street, two on San Pedro street and two on Grafton street—were rected during the year.

Notwithstanding this increase in the number of rooms there were at the close of the year 70 schools on half-day time.

The hope that new buildings might be erected during the summer vacation has not been realized, and now the schools are again in session, with 72 schools on half-day time; seven in self-suited retted rooms and seven owned by the department, which are worse than the rented rooms, and should be abandoned at the earliest opportunity.

These figures show a necessity for 50.

worse time the tenter tooms, amb should be abandoned at the earliest opportunity.

These figures show a necessity for 50 additional school-rooms at this time.

Of the \$200,000 worth of school bonds, voted on the 31st day of August last, \$100,000 worth have been sold, and the money is in the treasury. Needed sites have been selected, and contracts are about to be let for the erection of new buildings and additions to old ones. It is hoped that before the present school year ends every school will be well and comfortably housed and on full-day time.

The Superintendent discusses at some length the question as to whether the schools should be in session nine or ten months of the year, and arrives at the following conclusion:

My experience and observation for 20 years in school work convinces me

to its general appearance. Amount expended for labor and material, \$9627.92. A considerable sum has been donated by private parties and expended on this park of which the commission has no record.

ELYSIAN PARK.

This park, comprising over 450 acres of hills and valleys, and the park par excellence of the future, was found much in the state that Nature left it, there being about 35,000 trees—cucallyptus, pepper, pine and cypress—set out and growing therein and that the state that Nature left it, there being about 35,000 trees—cucallyptus, pepper, pine and cypress—set out and growing therein and that mere and better work can be done in nine months per year that in nine months per year that in the same work can be done more easily, too, in the shorter me, on the same work can be done more easily, too, in the shorter me, on the same work can be done more easily, too, in the shorter me, on the wiser to work six days out of seven.

In discussing the selection of teachers which come in to urge the election of applicants to positions, and he holds that it is better "to harden the eart" to everything except the one question, "1s the applicant a good the province of the foundation of applicants to positions, and he holds that it is better "to harden the applicants to positions and the part was provinced by the complex of the foundation of the shorter me, on the same wiser to work six days out of seven.

In discussing the selection of teachers he depended on the shorter me, on the shorter me, on the same with the same work can be done more easily, too, in the shorter me, on the shorter me, on

question, "1s the applicant a good teacher?"

In anticipation of inquiries, he presents the following information:
Salaries of principals, from \$95 to \$150 per school month; assistants in High School, \$115; other teachers, \$80 per month the first year; after that, \$80, \$85 or \$90, according to ability. Length of school year, nine months, from October 1st to the last of June.

Twenty-fiveto fifty teachers required annually to fill vacancies and supply new schools. The supply of strictly first-class teachers is not always equal to the demand.

Holders of primary certificates may teach in the first five or primary grades; holders of grammar-grade certificates

teach in the first five or primary grades; holders of grammar-grade certificates in the next four, or grammar grades; holders of grammar-school-course certificates in the next three or High School grades. Two years' successful experience, or a Normal School graduate is required to teach in the first grade. One year's successful teaching is required for all other grades.

All certificates are issued by the County Board of Examiners.

In conclusion, Prof. Friesner pays a

County Board of Examiners.

In conclusion, Prof. Friesner pays a pleasant compliment to A. E. Baker, who took charge of the schools during October, November and December, 1888, during the absence of the Superintendent in consequence of sickness, and he also thanks all persons in anyway connected with the schools who have contributed to their success.

IN N FKK K K KK4000

upils enrolled in the public schools. 1,754 1,254	8 %	o have attended public schools during 1,522 2,000 children between 5 and 17 years of age	s and 17 years of are her of census children idren under 5 years of s idren between 5 and 17 y	white children between 5 and 17 years age 3.175 3.579	CENSUS MARSUAL'S REPORT. 1880, 1881.
15 0 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1		1,819	4,164	4,085	1880
100 AS		2,495	1,446	4,276	1883.
645 645 645 645 645 645 645 645 645 645	1 01	2,976	5,198	5,070	1884.
316 316 336 336 337 337	700	3,417	5,584 2,578	5,544	1885.
100 A	747	3,877	6,050 2,731	5,000	1886.
215 145 215 145		4,874	9.7 45.51	7,384	1887.
200 15 15 15 15 15 15 15 15 15 15 15 15 15		5,109	3,373	10,360	1888.
8,128 8,128 151 24,61		7,101	10.784 5,061	10,591	1880

Report of the Librarian, Miss T. L.

Miss Tessa L. Kelso made the following report to the Trustees of the Public Library December 3d:

Public Library December 3d:

I herowith respectfully submit the annual report of the Los Angeles Public Library, which covers a period of eight mouths, dating from April 1st to December 1, 1889:
The income of the library is derived from a "tax levy on all taxable property in the city, not to exceed 5 cents on each \$100 of the value of sil real and personal property," and from book-borrowers' dues, at the rate of \$1 per quarter.
Following is a statement of the receipts and expenditures for the period named:

EXPENDITURES.

\$18,303.05, of which sum it was conditional that at least \$10,000 was to be expende

the purchase of books.

The figures showing the usefulness and history of the library are necessarily very incomplete, since three months of the eight were spent in the old quarters, where it was impossible to keep correct records of circulation or attendance, under the system then in use

in use.

Upon removal into the present quarters in the new City Hali the library was closed for a period of two months, during which time the books were cleaned, repaired, counted, classified, numbered, book plates inserted, placed in positiou, shelf-catalogued in duplicate, and a card catalogue begun.

logaed in duplicate, and a card catalogue begun.

On Monday, the 3d of September, the new library was opened to the public, completely and elaborately fitted with new furnishings in its mechanical make-up. The book account is as follows:

Number of volumes in the Library September 2, 1889.

Number of volumes added to Library to December 1, 1889. 4,771 Total..... 11, 127 Discarded. Lost and stolen.

Number of volumes in Library De-cember 1, 1889.

cember 1, 1889. 11,028
The large addition to the library during
the past three months as shown in the foregoing figures, namely, 471 volumes, is being daily supplemented by the arrival of
other books purchased by the board.
In all such purchases due regard has been
paid to the needs of the library in the different departments or history and trayer-

paid to the needs of the library in the different departments of history and travels, biography, literature, fine arts, natural science, philology, fiction, sociology, theology, philosophy and reference, and the fund is being expended in proportion to the importance of the several classes named.

There are 189 periodicals received in the library, which are apportioned as follows:
On file in reading rooms. 78
On file at delivery desk 73
For use at home. 38

Water Overseer's Report.

Balance on hand April 1, 1889... \$ 3,594 62
Balance from tax levy of 1888-89... 238 40
(Transferred April 1, 1899.)
Received on account of apportionment for fiscal year 1889-90... 17,026 18
Dues and fines ... 519 26 shows that there are 15 zanjas owned and controlled by the city, aggregating\$31,428 46 8-inch cement pipes, 22-inch pipes being mostly used for carrying two heads of Books and periodicals. \$ 3,540 89 water. The total revenue from sales Library expenses. 2,233 60 of water, etc., during the year was salaries. 2,632 08 \$11,991.15, divided as follows: Sales of City Treas-

zanjas during the year was \$10,100.18, but much of this work was for a permanent character, and the system was greatly improved by it and its earning capacity largely increased. The total expense of the Nichols ditch was \$1,598.50, from which there was no revenue, it being kept up for the benefit of the Westlake Park.

Superintendent of Buildings. The report of the Superintendent of Buildings shows that since the 1st of August last, at which date he entered on the discharge of his duties, up to November 30, 1889, 194 permits were issued, of which 20 were for the re moval of old building. The cost of the improvements was \$759,575, and the improvements was \$759,575, and fees collected for issuing permits amounted to \$386.50, which has been turned into the city treasury. The following is a summury for the four months: Total number of building permits issued, 194; total cost of improvements, \$759,575; highest cost of any one building, \$150,000; lowest, \$75; average, \$3915.33; brick buildings, 27 in number, \$330,957; number of frame buildings and repairs to same, 103 in number, \$182,795; highest-priced dwelling, \$11,000; number of cottages costing \$1000 or less, 53.

ing \$1000 or less, 53.

This department was the latest to come into operation under the new charter, but it has already demonstrated its utility, and promises to become indispensable in the administration of city affairs. tion of city affairs.

The report of the City Attorney shows that there were pending in the Superior Courts when the present incumbent came into office six cases against the city, and that 19 new suits have been instituted during the year, together with an abstract the year, together with an abstract giving the character of each suit, and its status before the courts at the present time. Besides this, 1857 cases were prosecuted in the Police Courts, of which 1618 were convicted and 219 dismissed and the defendants discharged. The total number of days of imprisonment for the above convictions was 6228; fines and costs imposed and collected to March 21, 1889, in City Justices' Courts, for violation of the city ordinances, 31311; fines and costs imposed and collected since March 21, 1889, for all offenses in the Police Court, \$7203.30; total, \$8514.30.

City Clerk's Report.
The report of the City Clerk shows that the number of licenses issued and for what amount, during the year ending November 30, 1889, as follows:

MONTH.	Number	amount is-	1.5	Total col-		Total uncol- lected			
1888.		****	-	***	-		_		
December	2,853	\$19,226	00	,	25	3 813	75		
January	2,741	18,328	00	16,721	12	1.606	85		
February	2 731			16,581	50	1,897	50		
March	2 574		84	16,138	54	1,592	0.0		
April	2,602	16,662	Bi	16,064	04	698	50		
May	2,635	17,755	W	15,650	5ú	2.098	50		
June	2.528	16,766	54	15,868	Oi	1,393	50		
July	2,559	16.215	OL	15,538	0	677	00		
August	2,550	16.737	Of	16,075	10	661	50		
September.	2 482		51	16,281	(X	565	50		
October	2 456	16,141	Oi	15,549		502			
November	9.479	16, 134	Re.				**		

Chief of the Fire Department. The report of the Chief of the fire department shows that the fire protection system consists of 80 men. seven steam fire engines, eight hose carts, one Hayes hook and ladder extension truck, the Richmond fire alarm system, 12 telephones for fire alarm system, 12 telephones for fire service, 6000 feet of hose and 29 horses. Since January 1, 1889, there have been 166 fire alarms, as follows: By the Richmond fire alarm system, 102; by telephone, 50; still alarms, 14. The total fire loss for 11 months was \$81,-220; the large single fire was the tobacco store of William Liebes & Co., at No. 213 North Los Angeles street, on the 16th of April, when the damage amounted to \$10,000.

City Tax Collector.

The report of the City Tax Collector gives the collections of his office from December 1, 1888, to November 30 1889, as follows: Total collections for taxes, \$483,714.04; licenses, \$191,779.50; deeds, \$57; dog tax, \$448; advertising delinquent tax list for 1888, \$2107.50; making a grand total for the 12 months of \$078,106.04.

Sealer of Weights and Measures. The report of the Sealer of Weights and Measures shows collections of \$561.20 as fees from October 1 to November 30, he having entered on the charge of the duties of his office on the first-named date. This money has been deposited with the City Treasurer, as is shown by receipts on file. POPULATION AND WEALTH.

Striking Figures and Comparisons from Reports.

The growth of the population of Los Angeles during the past 40 years is marvelous. Here are the figures since 1850:

1000																						
1850	(A	n	ae	r	ic	a	n	8)			 						 				3(
1861														÷			 	 		. 6	,50	K
1870					/-							 			٠					. 8	,00	N
1880.						3.			:	٠.		 			·		 			. 11	,18	Š
1883.					_							 			÷			 		20	,50	ĸ
1886.												 					 	 		45	,00	K
1887.												 					. ,	 	٠.	60	,00	Ŋ
1888.												 					 	 		75	,00	R)
1889.												 					 	 		,80	,00	Ю

The figures for 1870 and 1880 are those of the United States census. Those of subsequent years are based on the estimates of water companies, the school census and directory publishers. The directory of Los Angeles, published in the summer of 1888, contained 29,526 names. Multiplying by three, this would give a population of 88,578. Another estimate: There were registered for the Presidential election in Los Angeles, 14,776 votes. Multiplying this by six—a fair figure—would give 88,656—within a fraction of the same number. Taking a conservative view, it is safe to say that the present population of Los Angeles is not less than 80,000.

The county vote at the Presidential

than 80,000.

The county vote at the Presidential election was 30,336. Calculating this in the same manner, we find the population of the county to be 182,016. We may expect the census of 1890 to give Los Angeles city 100,000 population, and the county over 200,000.

Los Angeles is now far ahead of any other county in the State except San Francisco, in point of valuation of property. Here are the figures for the eight wealthiest counties:

eight wealthlest countles:	
San Francisco	291,700,44
Los Angeles	84,376.319
Alameda	71,896,18
Santa Clara	53,112,663
San Joaquin	. 38,802,60
Sacramento	84,460,17
San Diego	31,560,91
Sonoma.,	31,222,67
POL	

The assessment of Los Angeles city for the present year. after equalization, amounts to \$46,997,101. The bonded indebtedness is \$667,000, and the tax levy \$1.10 on the \$100. The assessment compares with previous years as follows:

Journ as	D TOTIO H D.	COLUMN TO SERVICE CONTRACTOR CONT
Years.		Total Values.
1881-'2		\$ 7,697,639
1882-'3		9,808,447
1883-'4		12,285,058
1885-'6		16,432,436
	é	
		and aderedance

REALTY AND BUILDINGS

REVIEW OF THE YEAR'S TRANS ACTIONS--COMPARISONS.

Total Sales of the Year--Statistics Furnished by Architects and the SuperIntendent of Bulldings.

EAL estate transactions for the year 1889 show a grand aggregate of over \$35,000,000.

These figures are necessarily approximate, as the table is closed De cember 20th, in order to insure its publication in this number. While the aggregate of transfers for 1889 is less than 1887 and 1888, it still betokens a healthful activity, and for a county of 150,000 population, would be regarded in most States as phenomenal The late lamented "boom" which was nothing more nor less than a speculative craze in real estate—found its climax in July, 1887, in which month the transfers amounted to \$12,071,057! It could not continue longer in this high-pressure principle, and it is well for the country that it did not. Prices had been run up in many cases beyond intrinsic values and there was less buying for legitimate investment than for speculation. When the reaction came, those who had been carried away by the furor saw the necessity of getting back to solid business principles. Then began a system of "hedging" that has not been equaled in the history of the country. So skilfully was it accomplished that our real business interests were in no manner crippled. There were very few disastrous failures, even among the most extensive and most reckless real estate operators. Many individuals who had purchased at high the most extensive and most reckless real estate operators. Many individuals who had purchased at high prices, depending on quick turns to make payments, lost considerably, but there was not a failure of a single bank or business firm in the city of Los Angeles. One bank in the country which had loaded up too much with real estate and debts went down, but the chances are that, in the settle-

ment of its affairs, it will pay dollar for dollar. There was no panic or collapse of any kind.

There was a considerable recession of prices, most heavily felt on outside lands, where fields had been cut up into streets and 25-feet-front lots with the expectation of making cities out of whole dirt. Inside property in the city of Los Angeles held its own remarkably swell, and, in many instances, could be sold today at better prices than it would have commanded in the summer of 1887. In other instances there has been a shading down from 15 to 30 per cent. On the whole, however, there is a fine feeling, and few have sold at reduced values unless compelled to do so by the exigencies of debt. A great spirit of accommodation has been manifested on the part of creditors, and the result has been that many debtors have been enabled to pay their way out with comfortable savings on hand.

The transactions of 1888 were still heavy, by reason of the fact that many "boom" deals were closed up; second and third payments being made, at the end of which the instrument of conveyance was placed on record.

The transactions of 1889, while still less than 1888, indicate a healthy activity, and probably contain more new transactions than the preceding year. It may be said now that real-estate operators are "clothed and in their right mind," and that they buy more for legitimate investment and improvement than ever before. Real estate is found to have a solid substratum of value, after all, and it can now be bought after all, and it can now be bought after thur from the investment as once.

after all, and it can now be bought at figures which promise an enhancement within a year or two, and a legitimate return from the investment at once. The present time offers a golden opportunity to secure a desirable foothold in realty, either in the city or country. Prices are really lower in Los Angeles today than in most other cities of the Union of equal size and promise, while the most desirable fruitgrowing, farming and villa lands outlying can be had for a little less than intrinsic values.

The transactions of 1899 are as follows:

and 1880.	Total No Transfers	Nominal Con-	Under 11,000	Over \$1,000	Total
January February	2,092	514 534	763 684	78\ 726	8 8 414 476
March	2,614	520	728		3,556,721
April	1 906	567	558	646 598	8 357,458
June			506	509	2,470 161
July	1.426	519	451	4'8	2,052,953
August	1,167		389	364	1,839,94
September	1,145	432	347	366 428	5,293,408
November		547	341	431	1,536,577
December *	1.182	470	282	430	2,523,10

* Approximated.

COMPARISONS. Following are the transactions, by norths, for the past three years:

Month.	1887.	-Amount-	1889.
January	\$4,998,099	\$6,627,526	\$8,414,436
February	4,863,057	7,601,829	3,075,774
March	5,234,455	7,589,117	8,556,721
A pril	7,512,124	5,673,051	4,543,159
May	8,163,327	6,596,145	3,357,458
June	11,491,062	5,224,636	2,470,161
July	12,071,057	4,593,559	2,052,952
August	11,505,711	4,044.211	1,839,947
September.	9,872,948	3,772,074	1,648,790
October	8,120,486	3,751,538	5,293,408
November.	5,819,646	3,415 959	1,536,577
December.	7,323,220	3,929,486	*2,520,106

Totals...\$96,730,192 \$62,813,164 \$35,309,468

*Note.-Approximated.

BUILDINGS.

Concise Statement of the Improvements of 1889.

[Reported by architects, covering the time from January 1st to August 1, 1889, and including structures com-menced or completed within that period, additions and improvements.
all within limits of Los Angeles city.

CPIT	MICHIAL IN	mino the Alon		rugores	City.
BY	KYSER,	MORGAN CHITECT		WALLS	AR-
Mar	asion house	, cor. Ceres	and	5th sta.	100
3-	story brick				7,000
G. (lwens, Bus	h st., cottag	e	*******	1 800
G. 1	Schroder, P	alm st., cott	age		1,200
Chu	irch of the	Unity, Fifth	et		17,000
Car	itol Mille, U	Jpper Main s	t. (a	dditions)	8,000
		S. Spring (a	lter	ations in	
Bt	ores)				2,500
		Main st., 3-st			11,000
M:	Germain,	111 S. Main	Bt	. 3-story	-
- bi	rick	*********			11 500
J. 1	ang, 115 S.	Main st., 3-si	ory	brick	11.000
H.	C. Dillon, re	Los Angele		********	9,600
E. C	dermain, S.	Los Angele	8 81	2-story	
	riek			*********	14 000
C. 1	ietigs, Pali	n st , cottag	B	********	17,000
E.	Germain, I	lope and 11	D F	its, addi-	
U	ons, residei	nce	***	********	5.500
Mile	8 Hammon	d. Pearl st.,	resi	dence	6,000
W.	wright, 1	Illi st., nea	r I	oth, rest-	0.000
To de	ence	******	****	*******	2,800
B.	aermain, L	os Angeles	BL.,	Business	88,000
17	Northall Th	esaddi	3000	********	1,800
Gin.	Knocht K	igueroa at.,	HOL	dence	8,000
		& Co , office			1 800
		al, executiv			9,500
Au	Briewelter	estate, Men	ori	al Chanel	
		BY J. C. NEW			
		uvin, brick			20,000
14.	E. Chipman	, residence		*********	5,000
IS,	r. Henry, o	ottages		*********	3,000

	174	and the second	
T. Rhodes cottere	767		
T. Rhodes, cottage M. M. Morrison, reside	***********	8,0	
John H. Bryan, alterat	nce	10,0	
C A Sumper resident	1008	3,0	
C. A. Sumner, resident George Shulto, residen	19	6.0	
I C Nowgom worlden	CO	25.0	
J. C. Newsom, residence M. W. Connor, residence			
C. C. Allen, residence.	JO	25,0	
E. F. C. Klokke, residen	************	60	
J. B. Winston, residen	nce	12,0	
Edward Hildroth Toyle	ce	5,0	
Edward Hildreth, residence G. H. Session, residence	ence	17,5	
S. G. Flamming residence	0	10.0	
S. G. Flemming, resident. T. B. Henry, flats. Thomas Ruddick, residence. Frank Flint, residence.	nce	10,0	
Thomas Ruddick marks	**********	6,8	
Frank Flint, residence.	ence	10,0	
Mrs. McGinnis, residen	** ********	8,0	
sacommie, residen	CO	D,(XXX
REPORTED BY S. I.	HAAS, ARC	HITECT.	
			210
			W
			XV6 XXX
			500
			100
			000
			č
H. Cohen, residence		91	500
REPORTED BY A. M. I	T	24	NU
O T Wat M. M. I	DELMAN, A	RCHITECT	. 0
O. J. Wetl, Main st	, bet. 1st.	and	
M. A Story Drick	***********	8 24;1	500
2d, 3-story brick M. A. Newmark, Spring	g st., alterat	ions,	
residence		1.4	400

H. Newmark, cor. Eleventh and Hope	1,400
sts.,frame stable	4,000
Mrs. E. P. Hersey, cor. D amond and	35,000
Williams sts., res dence. K. Cohn, Agricultural Park tot., double	1,830
McLean & Lehman, S. Main st., 2-	2,000
story brick block. C. B. Pironi, Regent st, near 7th	18,000
st., 2-cottages Mrs. L. Kalisher, S. Main st., 2-story	2200
brick	11,000
Pico. double tenement	8,800
sevain sts., 3 story brick	20,000
M. H. Newbark, Grand ave., near Eleventh st., residence	10,590
J. Moiso, N. Main st., 2-story brick. N. Jacoby, Hope st. bet. 7th and 8th,	10,800
Chas Jacoby, Hope st. bet. 7sh and 8th.	8,000
residence. C. B. Pironi, cor. 12th st. and Maple	10,000
M S. Hellman, S. Main st. nr3d., I-story	600
brick	1 900
H. Figueroa st., residence	12,000
H. Newmark, S. Fort st . alterations	600
REPORTED BY BROWN & BRADBEER.	RUHI-

CHI-

2,000

20,007

9,006 4.000

3,000

ico He ghts, Rosedalo district, school-	
house	4 500
loyle Heights, Belvidere district.	7.70
schoolhouse	4.000
L. L. Cates, Newhall st., residence	2,150
S. Have, Newball at residence	2.540
L. Whet lock, Newhall at., residence.	2:110
vm. J. Archer, Newhall st., residence.	1,2.0
rthur G. Newton, Little Hock ave.,	2000
or G R. Weeks, Newton st., residence.	6,520
or G R. Weeks, Newton st., residence.	3K.N39
C. Briggs, (entral ave., residence	2 430
. C Hanns, Central ave , residence	2.415
D. Dean, Mapla ave., residence.	-1.000
J Hechtman, Vernon ave., res dence	2,100
4. W. Poindextor, cor. F.ower and Jud-	BUT ALKS
son residence L. C. Westbrook, Ocean View ave., res-	3, 150
dence descreok, Ocean View ave., res-	STORES
William H. Speadaker, Manhattan ave.,	2,800
residence.	
W. A. Taylor, Burlington ave., resi-	3,575
dence	o own
ohn Lazzarevich, Summit ave., resi-	8,875
dence	8.200
leorge Bradbeer, King st , residence	
foweli & Craig, Los Angeles st., brick	1,850
	20 000
Oddous, Alameda Drick building.	5,200
fr. Boteilo, Bellevue ave. birn	1,000
REPORTED BY W. R. NORTON, ARCHIT	ECT.
Dr. M. L. Moore, near Pearl and 9th ets.,	
residence. S. B. Millar, Spring, bet. 1st and 2d, 4-	6,000
s. B. Millar, Spring, bet. 1st and 2d, 4-	
story brick Boyle ave. and 1st	an,000
leorge Cummings, Boyle ave. and lst	

,000 George Cummings, Boyle ave, and lst st. 4-story brick.

Mary'A, Winson, Wostes tot residence 4500 Mrs Sherer, San Pedrost, 2-story brick 4400 REPORTED BY DORN & SLOCUS, ARCHITECTS.

S. A. Matterson, California st., fitzs: ... 8, 9,000 Baker & Meyers, Los Angeles st., warehouse. M. Hough, 6th and Hillste, Hotel 18,000 on Dunsmoor, Figueroa and York sts., dwelling.
W. H. Ithodes, Grand ave., dwelling...
W. B. Nisbet, Bollevue ave., dwelling...
John P. Culver, Grand ave., dwelling...
Frances Bates, Santee st., dwelling... REPORTED BY FRANK J. CAPITAIN, ARCHITECT.

dence.
P. S. Brosius, 1st and Wellington sts.,
four 2-story brick buildings.
D. Waldron, Laurel and Main sts., resi-T. G. Ryan, Brookhurst, near Anaheim, T. G. Kyah, Brookhurst, near Ananeim, additions and the cottage.

G. C. Perret, cor. 3d and Spring, 3-story brick.
Frank Sablent, Figueros and Adams Pierre Nicolas, cor Upper Main and Marchessault sis, 2-story brick.

Ed McLaurblin, Commercial and Wilmington sis, orlok addition.
Fred Hasiman, Adams st., between Grand ave and Main, residence.

Pierre Nicolas, cor. New High and Marchessault, two-story brick.

L. L. chemberger, Main near 1st, alterations to stores.

stone fronts

R. Jellner, Ocean ave. and Oak st., resi-

tions to stores. 2,500
REPORTED BY CURLETT, RISEN AND CUTHBERTSON.
Los Angeles county, Fort, Temple and
New High, courthouse. 500,000
Mrs. Bertha Saunders, Hope near Pico,
accepted to the service of

COMMERCIAL BODIES

THAT LOOK AFTER THE GENERAL AND LOCAL WEAL.

Board of Trade and Chamber of Commerce-A Glance at Their Ef-forts - Local Organ--izations

EVERAL commercial bodies of standing and importance lend their efforts to the advancement of public interests.

The Board of Trade is an organizazation of the business men of this city for mutual protection in business interests and promotion of public enterprise. It is a corporation, having been incorporated in March, 1883. Its management consists of a board of six directors, and its officers are a president, vice-president, secretary, treasurer and attorneys.

To give some idea of the great amount of work that is done, outside of the great number of letters, resolu-tions, etc., regarding public matters, there have been this last year claims filed in the secretary's office amount ing to \$99,902.82. Nearly one hundred cases have been adjusted by the board, and \$32,808 have been paid out in dividends. Many differences between the debtor and creditor are adjusted without the aid of the court, and therefore a great amount is saved to the parties for costs.

The officers and directors for the present year are: S. B. Lewis, president; J. V. Wachtel, vice-president; T. H. Ward, secretary; L. N. Breed, treasurer; Graves, O'Melveny & Shank land, attorneys; directors, S. B. Lewis C. Seligman, H. Jevne, L. N. Breed, George E. Dickson, J. V. Wachtel.

CHAMBER OF COMMERCE.

Review of its Efforts and Accomplishments.

Maj. E. W. Jones, president of the Chamber of Commerce, furnishes the following: The work of the Chamber of Commerce for the past year has been in part in the following metric been in part in the following matters:

In endeavoring to secure such a United States public building as would be a credit and ornament to our city, and adequate to the necessities of the Government at this point. This seems likely to succeed, as the Supervising Architect of the Treasury has recommended an increase of the appropriation to \$500,000, and our Repre

priation to \$500,000, and our Representative expresses confidence that the increase will be granted.

In strenuous efforts to procure larger recognition of our need of a harbor by sending to the departments and to Congress a large mass of statistics with regard to San Pedro harbor and escorting of several parties of Senators and Congressmen to that port and describing to them the character of the improvements desired.

In endeavoring to bring about increased cultivation of land in Los Angeles county.

geles county.

In urging the passage of such laws as will enable us to collect our taxes

semi-annually.

In urging the repeal of the mortgage

In urging the repeal of the mortgage tax law.

In urging the passage of the Reform Farm Bill and the location of the Reform School near Los Angeles city.

In reopening trade relations with Inyo county, awakening the interest of the Carson and Colorado Railroad Company in the extension of its road in this direction, bringing its president here to look over the situation, and keeping the project alive.

In awakening interest in sugar-beet raising, holding correspondence and interviews with the leading beet-sugar men of this coast, and procuring and furnishing seeds and information to hosts of interested persons.

In endeavoring to secure the erection of crude sigar works here.

In procuring and publishing reliable information with regard to low-priced lands; issuing 10,000 lists of such lands and scattering them broadcast, setting at reasonable prices.

In agitating the building of a rail-

lands; issuing 10,000 ns.

and scattering them broadcast, sat rest the claim that we had no lands at reasonable prices.

In agitating the building of a rall-way from the coal and iron fields of Utah, and in obtaining the best information to be had, of the intention of Union Pacific and other railway companies with regard to the same. In numerous interviews and much correspondence with persons interested and well informed on the subject, and setting forth the advantages of this point.

The Chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of Commerce of Los Angeles is not, and never has been, making any effort to rovive the solution of the chamber of

fluence in the State Board of Trade; providing for displays of the Los Angeles county products in the rooms of the board, and in the first and the "New California on Wheels," keeping up a creditable and the only citrus exhibit on the former traveling exhibition, and sharing actively in all the other work of the said State Board slace our connection with it in March last.

last.

In working for a combination of Southern California commercial bodies, similar to the State Board of Trade, the setting up of a Southern California Industrial Exposition and the sending out of a "Southern California on Wheels" so that this section might, as it ought, be independent of the rest of the State as far as possible in all such matters, inasmuch as the people of the rest of the State are as inimical to every interest of Southern California as the people of Mexico or any other foreign nation.

In presenting the subject of our arid

other foreign nation.

In presenting the subject of our arid lands in proper form to the Senate committee sent here to investigate them, and furnishing said committee with information with regard to irrigation in this county, in entertaining said committee suitably, as well as the Senate Committee on Our Relations with Canada on its visit to Los Angeles and San Pedro harbor. San Pedro harbor.

San Pedro harbor.

Our Representative in Congress has been appointed chairman of the Committee on Arid Lands, from which we should reap considerable benefits.

In this connection we have been asking that the surveys of arid lands and reservoir sites be extended at as early a date as possible to this region.

In active cooperation in the work of the Commercial Convention, held at San Francisco, and in the resulting organization of the Pacific Coast Board of Commerce.

In aiding in the forming of the

In aiding in the forming of the bank syndicate for the purchase of the local wine-grape crop, which has brought the grape-growers past a crisis and enabled them to sell their crops at

and enabled them to sell their crops at a better price.

Also, in aiding the sweet-wine makers in their efforts to get relief from the oppressive operation of the internal revenue laws.

In getting the Citrus Fair for this section located here, and in awaken-ing interest and trying to insure its

In getting the next meeting of the State Horticultural Society held here, in connection with the Citrus Fair, which that society promises to make the best meeting "ever held in the State."

In inviting, escorting and entertaining the members of the "National Grange and their friends.

In correspondence, etc., with the rail-way authorities with regard to pas-senger and freight rates and reports of traffic, and with people from all parts of the country with regard to the in-ducements which Southern California holds out to those who wish to come

In conferences with people who wish to engage in manufacturing and other enterprises here.

In conferences with people who wish to engage in manufacturing and other enterprises here.

In collecting and compiling statistics of Los Angeles city and county, and distributing the same in printed form, for the purpose of informing the outside world of the condition and resources, and the advantages we offer for homes and investment, and of resources, and the advantages we offer for homes and investment, and of resourcing the unfavorable impression with regard to us that has prevailed throughout the rest of the country. In this work we have sent out about 30,000 pamphlets, etc. And in preparing for similar work for the coming year, we are accumulating, through our standing committees, a mass of information on local commerce, manufactures, lands and crops, mining, motive powers and fuel, immigration, and other subjects of great value.

It will be seen from this résume that the scope of the chamber work is large; at the same time it is wholly within its province. We cannot leave any portion of it unconsidered and satisfy the demands of the community. We make no drafts upon our people for any but absolutely necessary expenses. We are not organized to furnish pecuniary it aid to any enterprise, and we endeavor to further any undertaking believed, after careful examination, to be of public benefit by our indorsement, and to keep our people awake to their interests in the matter of harbors, railways, public buildings and all as flairs of any magnitude. Our newspapers are great forces in the same work, but there is a field which newspapers are great forces in the same work, but there is a field which newspapers are great forces in the same where the people can meet and counses where the people can meet and counses where the people can meet and counses of public importance.

The Clamber of Commerce of Los and general atmosphere conditions are well adapted for this plant. It is an estimate of this plant. It is an estable of the country of the country of the city in the part of the country of the country of the countr

LOCAL ORGANIZATIONS.

ards in the Eastern, Western and Southern Suburbs

The West End Board of Trade was organized on March 14, 1888, under the name of the West End Property-owners' Union. 'The first few meetings of the union were held in the Temple-street engine-house; afterward a com-modious room was secured and fitted up at 1210 Temple street. Here the organization now known as the West

organization now known as the West Board of Trade still meets regularly on Wednesday evening of each week. The object of the board is to obtain needed public improvements for the section of the city represented by its membership, and to secure the establishment of mercantile and manufacturing industries. The board has steadily increased in membership and usefulness. There are now upwards of 70 members. H. C. Register has been president of the board for the past year.

been president of the board for the past year.

D. C. Morrison is the present secretary. The following are the committees, with the present chairman of each: Street Committee, J. Mills Davies, chairman; Sewer Committee, Julius Lyons, Esq., chairman; Fire and Water Committee, E. Edgar Galbreth, Esq., chairman; Committee on Parks, Col. C. E. Dailey, chairman; Committee on Schools, A. M. Ellsworth, chairman; Mercantile and Manufacturing Committee, Daniel Innes, chairman; Gas and Light Committee, A. M. Ellsworth, chairman. chairman.

thairman.

Much good has been accomplished through the efforts of the board in attracting the attention of the proper authorities to the necessities and requirements of the territory gouth to be served by the board, and in securing better improved streets, abatement of nuisances, better supply of water, protection against fire, better distribution of light, development of parks, and in a more thorough understanding by the public of the workings of the city government.

There are about 10,000 inhabitants in the district included by the board,

in the district included by the board, and about 2000 voters, but as yet the district has but a small representation in the city and county government.

Crown Hills

The Crown Hills Board of Trade is in organization recently formed. It an organization recently formed. It devotes its attention chiefly to a section of the West End of the city, from Temple street on the north to Ward street on the south, and from Bunker Hill avenue on the east to the west city limits. It has a membership of over 60, and the officers are as follows:

President, C. M. Wells; first vice-president, A. McFarland; second vice-president, N. S. Averill; secretary, I. B. Newton; treasurer, E. H. Hutchinson; Executive Committee, Jesse Yarnell,

Executive Committee, Jesse Yarn M. H. Merriman and B. E. de Hart

The East Side Chamber of Commerce, which was formed during the

past year, is a large and influential body, with M. D. Johnson its president and a membership of over 100.

It takes especial cognizance of public matters affecting East Los Angeles, and has been instrumental in starting

results would follow. A gentleman who has had some years' experience in Natal states that our soil, climate and general atmosphere conditions are well adapted for this plant. It is a mistake to think, as many do, that any one can grow this or any other fruit without some practical experience. A certain soil is required, and there are many places in our neighborhood where he feels sure that success would be achieved and a large profit made by the producer.

TRAFFIC.

STATISTICS OF RAILROAD AND EXPRESS COMPANIES.

The Amount of Freight Forwarded by the Southern Pacific and Santa Fe Lines--Telegraphic Business.

LEVEN distinct lines of railroad focus in Los Angeles. making it the most important railroad center in the State. Statistics of the principal systems are here given:

THROUGH FREIGHT FORWARDED, 1889. FROM LOS ANGELES STATION, SOUTH-EBN PACIFIC COMPANY.

Total	Asphaltum. Barley Bearley Bendy Canned goods Emply packages. Fruit, dried Emply packages. Fruit, green, dec dross	
1 036,930	445,220 47,620 5,540 113,000 21,310 21,310 21,310 21,310 21,310 21,310 21,310 31,230 31,230 31,230 31,230 31,230	Jan.
1,705,060	25,050 25,050 21,100	Feb
3,214,960	21,600 107,500 29,620 880 2,275,800 61,130 20,330 61,230 81,540 81,540 81,540	Mar.
4,767,560	45,750 26,770 26,770 27,290 27,290 3,191,00 8,191,00 81,100 81,100 81,100 81,100 81,100 81,100 81,100 81,100 81,100 81,100 81,100	April.
4,243,800	2,440 9,250 20,500 20,5	May.
3,310,250	188 250 101 101 101 101 101 101 101 101 101 10	June.
1,650,409 701 810	133,140 107,340 107,340 107,340 107,340 107,340 107,340 107,340 107,440 107,440	July.
701 810	2000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Aug.
1,801,790	11.00 000 000 000 000 000 000 000 000 00	Sept.
5,072,130	20,420 3,200,430 42,430 10,200 21,470 21,470 21,470 21,470 114,770 114,770 114,770 114,770 114,770	Oct
3 598,400	24.12 10.11	Nov.*
2,830,450	0.000 0.000	Dec.*
34,403,549	105 900 201 1112 201	Total.
	*Estimated. \$In pounds.	

SANTA FE SYSTEM.

Statistics of the Southern California Railway Company. Following is a statement of freight ousiness for the year ending June 30,

1889:	
	Weight
Commodities.	in pounds.
Grain	44,270,0:0
Flour, rolled grain, and millstuffs.	19 8:Hi, 000
Hay and straw	25,168,000
Fruit and vegetables	96,986,000
Honey	3 288,000
Live a oak	24.624 (00
Fresh meats, pourtry and fish	1,798,000
Wool hides and leather	4,082,000
Packing-house products	3.140,000
Conl	192 704 006
Minerals and mota s	27,494 000
Building mater al*	191,868,000
Lumber	175,444,000
Oils	29, 306, 000
Railroad material	61,248,000
Machinery	6,316,000
Vehicles, tools and agricultural im-	
plements	6,464 000
Wines and liquors and beers	20,566,000
Household goods and furniture	
Merchandise	219, 304 0 10
Railroad construction material	88,614 000
mairoad construction material	00,014.000

*Stone, sand, brick, and other like material. Following is a statement of freight forwarded and received at Los An-geles station for the year ending De-cember 31, 1889:

Commodit'es.		Rec'ved, Pounds
Oranges and lemons		******
Other fruits and vegeta	bl's 4.828.00 i	*** ****
Grain	4-866 000	*******
Hay and straw	268,000	
Flour and millstuffs		*******
Wines and liquors		
lumber	1:582,000	13,782,000
Bd lding material	3 724,000	*******
Household goods and i		2,414,000
Coal		75,47:6,000
Live stock		4.923,000
Merchandise	57.102.600	177.6 8,000
Potal		
Following is a	statement	showing

shipment of oranges,

	-	111 -		
fruits an pounds. From . Oranges Lemons Other fruit	July 15, 1	1888, t o	June	30, 1889 33,054,000 46,000 22,014.000
Honey		********		56,690,000
		-		
Southern	1	oany.		
Statem gers carri	entshow	ing nu	mber of	passen-
For the year		June 30	th:	952,025
Californi	a Centra	al Rally	vay Co	mpany.
Statem sengers in	ent show	ving n	umber	of pas-
sengers in	and ou	t of L	os Ang	eles for
the year	ending I			889; Number
Month.		for	warded.	page year
January February		* *****	25,795	27,489 24,102 24,870
March	*********		25,867 23,726 22,233	24,870 28,69
May			22,233	22,667
June July			20,254 24,670	20, 327 24 052
August September.			21,774	21.178
October			17,033	18,234
November. December.			16,186 18,450	17,640 19,950
			62,580	209,113
Total		win a	shinme	nts of
Total	ent sho	wing	Burbune	
	wool by	nes, li	quors, ies dur	honey,
Stateme dried fri grain and	wool by	nes, li	quors, ies dur	honey,
Statemedried fri grain and year 1889:	wool by	nes, li	quors, ies dur	honey,
Total Statemedried frigrain and year 1889:	wool by	nes, li	quors, ies dur County	honey, ing the
Statemedried fri grain and year 1889:	wool by	nes, li	quors, ies dur San Bernar County	honey, ing the
Total Statemedried friegrain and year 1889:	wool by	nes, li	quors, ies dur. San Bernardin	honey, ing the Ban Diego County
Total Statemed fried friegrain and year 1889: Commodities in Pounds.	Los Angeles County	Orange County.	San Bernardino County	Ban Diego County
Statemedried fri grain and year 1889: Commoni- TIES IN FOUNDS.	County Angeles 180,000	Orange County.	County	San Diego County
Statemed fried fried fried fried fried fried fried fried fries in Ties in Pounds. Dr'd fruits Wines and liquors.	County Angeles 180,000	0785 County 160,000	County	San Diego 1,480,000
Statemedried fri grain and year 1889: Commoni- TIES IN FOUNDS.	County Angeles 180,000	0785 County 160,000	County	1,480,000 420,000

Wells, Fargo & Co.'s Express. Through the courtesy of Mr. Butler, agent in this city, THE TIMES is furnished with the following recapitulation of express business transacted through the Los Angeles office:

No. of men employed at Los Angeles, 1885. No. of men employed at Los Angeles, 1887. No. of men employed at Los Angeles, 1887. No. of men employed at Los Angeles, 1887. No. of men employed at Los Angeles, 1889. No. of men employed at Los Angeles, 1889. No. messengers en route, 1885. No. messengers en route, 1885. No. messengers en route, 1885. No. messengers en route, 1886. No. express trains dally, 1885. No. express trains dally, 1887. No. express trains dally, 1887. No. express trains dally, 1887. No. express trains dally, 1888. No. wagone in use, 1886. No. wagone in use, 1886. No. wagons in use, 1888. *No. wagons in use, 1888. *No. wagons in use, 1888. *December estimated.	No. pounds freight traffic, 1888 No. pounds freight traffic, 1889	6,8	333, (150,	01
No. messengers en route, 1885	No. of men employed at Los Angeles, No. of men employed at Los Angeles, No. of men employed at Los Angeles. *No. of mon employed at Los Angeles.	188 188 188 18	8 8 89.	3
No. express trains daily, 1885. 1 No. express trains daily, 1886. 1 No. express trains daily, 1887. 3 No. express trains daily, 1888 6 *No. express trains daily, 1889 6 *No. express trains daily, 1889. 6 *No. wagone in use, 1880. 1 No. wagone in use, 1888. 1 *No. wagone in use, 1888. 1 *No. wagone in use, 1888. 1	No. messengers en route, 1896 No. messengers en route, 1887 No. messengers en route, 1888			3
No. express trains daily, 1887 3. No. express trains daily, 1888 5. No. express trains daily, 1889 5. No. wagone in use, 1886. No. wagone in use, 1887. No. wagone in use, 1888. 1. No. wagone in use, 1888. 1. No. wagone in use, 1889. 1.	No. express trains daily, 1885 No. express trains daily, 1886	•••		16
No. wagons in use, 1886	No. express trains daily, 1887	• • • •	• • •	3:
	No. wagons in use, 1886 No. wagons in use, 18-7 No. wagons in use, 1888.			1
		-	-	

The local office of the Pacific Coast Steamship Company furnishes the fol-

trips...

Passenger steamers at Redondo, July
1, '89, to Dec. 1, '89, trips...

Freight steamers at Redondo, July 1,
'89, to Dec. 1, '89, trips...

Preight st amers at San Pedro, Dec.
1, '89, to Dec. 1, '89...

TELEGRAPH.

The Western Union and the Postal
Telegraph Company.
Within the past year a new wire has
been constructed by this company
from San Francisco to El Paso, Tex., and a new line has been extended from this city to Sauta Monica. There are in Los Angeles the main office cor-ner Main and Court streets, and nine branches. Statistics as to amount of business transacted are not available.

POSTAL TELEGRAPH COMPANY. An office of this company has been established in Los Angeles within the past year under the superintendence of R. R. Hames, an old time telegraph manager. The company is enterpris-ing and reliable and is reaching out for its share of business.

PACIFIC POSTAL TELEGRAPH-CABLE COMPANY.

The telegraph line of the company with the above long title is one of the acquisitions to this growing metropolis within the past year, and has been quite warmly welcomed by many people. The officers of the company are:

J. W. Mackay, the well-known mill-fonaire, president; M. Q. Van Horne,

a prominent telegraph man, as vicepresident; Charles R. Hosmer, another
prominent telegrapher, as general manager, and L. M. Storror, for many years
cashier of the Western Union Company at San Francisco, as District Superintendent. The local management
here is in the hands of R. R. Haines,
with headquarters at 19 West First
street. The company has a business
capacity of six wires running from this
city through the center of the State,
connecting with all the principal business cities of Central and Northers
California, Oregon, Washington and
British Columbia, thence eastward by
the Canadian Pacific Railroad, and
connecting en route with the States of
the great West by branch lines, and
from Montreal with all of the commercial centers of the Central and
Eastern States. A prominent feature
in this company's programme is its
special and immediate connection with
the Commercial Cable Company (the
Mackay-Bennett system) for all parts
of the world enjoying telegraphic communications.

The Pacific Postal system covers twothirds of the telegraph field of the

of the world enjoying telegraphic communications.

The Pacific Postal system covers two-thirds of the telegraph field of the country through alliances with eastern companies that have been enabled to survive the opposition of the Western Union, notably the American Rapid, the Bankers and Merchants', and the Commercial Telegraph Companies. At present the wires are being rapidly extended from Kansas City southerly and westerly, \$1,500,000 being the estimated cost of construction of lines now in hand, and which will reach the Pacific Coast, giving the company a second outlet for its business with the great East. A party is now in the field working eastward from this city, and will soon establish a wholesome competition in the telegraph business of the towns now making Los Angeles their commercial and social center.

Telephone.

The Telephone Exchange of Los Angeles was organized in 1882, with seven subscribers, and the patronage has steadily increased until there are now 1050 telephones in use in the city of Los Angeles, and some 150 more in the smaller towns of this county. Every town in the county is connected with this city by telephone. The an-nexed table shows the number of tele-phones in use in some of the principal cities of California:

San Francisco
Los Angeles1
Oakland
Sacramento
San José
Pasadena
the state of the s

FEDERAL MATTERS.

REPORTS FROM VARIOUS GOV-ERNMENT OFFICES.

Military Department of Arizona-Internal Revenue - Postoffice -Soldiers' Home - Signal Service Report.

ILITARY matters command much attention in Los Angeles. Following are statistics obtained from Headquarters of the Department of Arizona!

The military division of the Pacific includes the departments of "The Columbia," "California" and "Arizona," with one general officer in command of each, and the necessary staff officers and clerical force at his headquarters, to administer the affairs of his department and keep the command

procured under contract in Los Angeles, necessitating disbursements there for transportation and supplies, including subsistence, clothing, fuel, forage, stationery, cavalry horses, draft animals, building and plumbing materials, hardware, machinery and miscellaneous articles, aggregating annually more than \$1,200,000, in addition to the amount required to pay the troops.

dition to the amount required to pay the troops.

Col. B. H. Grierson, Brevet Major-General, is in command of the department. His personal staff consists of First Lieut. C. H. Grierson, Acting Aide-de-Camp; Second Lieut. J. A. Perry, Acting Aide-de-Camp.

The department staff is as follows:

Maj. W. J. Volkmar, Adjutant-General's department, Assistant Adjutant General.

General. Lieut.-Col. R. H. Hall, Sixth Infautry, Acting Inspector General.
Capt. H. K. Bailey, Acting Judge
Advocate, and in charge of the engineer office.
Maj. A. S. Kimball, Quartermaster,

Capt. C. A. Booth, Assistant Quar-termaster, Assistant to the Chief Quar-

termaster.
Capt. W. A. Elderkin, Commissary of
Subsistence, Brevet Major, U.S.A.,
Chief Commissary of Subsistence.
Lieut. Col. J. R. Smith, Surgeon,
Brevet Colonel, U.S.A., Medical Di-

Maj. G. E. Glenn, Paymaster, Chief

rector.

Maj. G. E. Glenn, Paymaster, Chief Paymaster.

First Lieut. T. J. Clay, Tenth Infantry, Inspector Small-arms Practice, and Acting Ordnance Officer.

The troops are stationed as follows: Fourth Cavalry, headquarters and Companies E and L at Fort Lowell, Ariz.; Companies C and H at Fort Bowis, Ariz.; Company B at Fort McDowell, Ariz.; Companies D and L at Fort Stanton, N. M.

Tenth Cavalry, headquarters and Companies A, B, H and I at Fort Apache, Ariz.; Companies C, F and G at Fort Grant, Ariz.; Companies T, L and M at Fort Bayard, N. M.; Company E at San Carlos, Ariz.; Company K at Fort Thomas, Ariz.

Ninth Infantry, headquarters and Companies B, C, F and I at Whipple Barracks, Ariz.; Company B at Fort McDowell, Ariz.; Company B at Fort Huachuca, Ariz.; Company H at Fort Huachuca, Ariz.; Company H at Fort Wingate, N. M.

Tenth Infantry, headquarters and Companies D, F and I at Fort Stanton, N. M.; Companies C and H at Fort Wingate, N. M.

Tenth Infantry, headquarters and Companies D, F and I at Fort Stanton, N. M.; Companies C and H at Fort Union, N. M.

Tenth Infantry, headquarters and Companies D, F and I at Fort Stanton, N. M.; Company B at Fort Stanton, N. M.; Companies C and H at Fort Union, N. M.

Tenth Infantry, headquarters and Companies C and H at Fort Wingate, N. M.; Companies B, C, E and K at Fort Grant, N. M.; Companies B, C, E and K at Fort Grant, N. M.; Companies B and F at Fort Thomas, Ariz.

Indian scouts are stationed as follows: Company I at Fort Thomas, Ariz.

Indian scouts are stationed as follows: Company I at Fort Thomas, Ariz.

Indian scouts are stationed as follows: Company I at Fort Thomas, Ariz.

Indian scouts are stationed as follows: Company I at Fort Apache. Total number, 145.

NATIONAL GUARD.

What It Consists Of and How Officered.

The First Brigade N.C.G., with headquarters in Los Angeles, consists of 12 companies, distributed as follows: Three companies in Los Angeles, two in San Diego and one each in Ventura, Pasadena, Pomona, San Bernardino, Riverside, Anaheim and Santa Ana, Brig.-Gen. E. P. Johnson commanding, his department and keep the command supplied.

The President of the United States, recognizing in 1886 the natural advantages which Los Angeles, with its transportation facilities and varied industries, possessed as a great and growing commercial center, from which the troops stationed in the Southwest could be readily operated and economically supplied, added Southern California to the Department of Arizona, and established headquarters at Los Angeles. This change brought about to our city the commanding general, his staff officers and the necessary clerical force to conduct the military operations of the department; in all, about fitty people, many of whom have families.

The command of the Military Department of Arizona includes the Fourth, Sixth and Tenth cavalry regiments; and the Ninth, Tenth and Twenty-fourth regiments of intantry, aggregating 4000 men, stationed at the various forts within the limits of the department, which extends from Texas and the Indian Territory on the east, to the Pacific Ocean on the west; and from Colorado, Utah and Nevada on the north, to the boundary line separating the United States from Mexico on the south.

Many of the articles consumed by this command are advertised for, and

ent, and expressed much satisfaction at the general appearance of the brade in general orders.

FOR THE VETERANS,

The Pacific Branch National Homo for Disabled Soldiers. The officers and non-commissioned officers are:

Governor, Col. Charles Treichel. Treasurer, Maj. Adolph Erdman. Surgeon, Maj. Herman E. Hasse. Sergeant-Major, John C. Morris, lata

Company A, One Hundred and Eighty-first Ohio Infantry. Quartermaster Sergeant, George E. Wise, late Acting Ensign, United . States Navy.

States Navy.
Commissary Sergeant, William R.
Roberts, late Company K, Twentyeighth Illinois Infantry.
Dining-room Sergeant, William W.
Owens, late Company C, Seventh Callfornia Infantry.
Sergeant of the Guard, John H.
Rice, late United States Navy.
Chief Bugler, Alpha Ohcks, lato
Company F, One hundred and Fortysecond Illinois Infantry.
Sergeant of A Company, J. N. Armstrong, late Company A, Gray's Battery.

Sergeant of B Company, Samuel B. McCall, late Company E, Third Iowa

McCail, late Company E, Third Iowa Infantry.

Sergeant of C Company, William B. Clothler, late Company E, Fourth California Infantry.

Sergeant of D Company, Madison W. Criss, late Company I, Eighty-eighth Indiana Infantry.

No members present, 414; members on furlough, 39.

This home is situated in Los Angeles county, about three miles from Santa Monica. It commands a magnificent view of the ocean in front, and of the mountains in the rear.

The first-two barracks were not completed until the middle of March last, and before the end of that month they were fully occupied. Previous to that time nearly one hundred old soldiers were being cared for as well as circumstances would permit in a temporary building which had been hastily improvised for the purpose. By the end of June two more barracks were completed, and these also were soon filled.

These buildings are designed for 100 mee such, but no bid soldier has everyt been furmed away because the home was full, and they are now overseved.

The buildings has far vined are: Four barracks, a temporary but ample and comfortable dining-room, a kitchen with all the latest and most approved appliances for cooking, and recently a bakery. Also a carpenter shop, paint shop, work rooms for tailor, saddler, shoemaker, tinsmith, plumber, blacksmith, engineer, machinist, etc.

An ample supply of pure and wholes some water is assured. It is brought to the home in pipes from a spring in the cafion, a distance of over five miles. In connection with this work a service reservoir has been built with a capacity of 400,000 gallons.

On the 30th of June last the general work of construction was necessarily suspended, no further appropriation. A building for the next appropriation. A building for the per having been made by Congress. Some wants, however, which are considered absolutely indispensable, will be supplied without waiting for the per having sendenced in mediately. The building for this purpose will be used for post and other society meetings, and also for religious service

home.

The work thus far accomplished has necessarily been confined to providing those things which were actually necessary for the comfort and health of the members. Their amusement and pleasure will be the next consideration.

INTERNAL REVENUE.

Details of the Collections at Angeles Office.

Guy B. Barham, deputy collector of internal revenue for the First District of California at Los Angeles, gives the following figures of transactions of his office from November 1, 1888, to No vember 1, 1889. This does not include penalties or amounts paid in settle ment of seizures, which are remitted directly to the collector in San Francisco. These amounts do not cover immense quantities of brandy made here and shipped in bond to other dis-

Cigar stamps sold	12,357 26 7,752 36 29,518 58
Total	its is 90 culating stamps e local
was paid at this office 109,170 The principal part of the brands	gallons.

tricts. These are therefore the local collections of Los Angeles:

The principal part of the brandy manufactured here is sent away in bond.

The tax on beer is \$1 per barrel of 31 gallons, and the same calculation on beer stamps would show the local manufacture of beer to be 12,375 barrels or 283,074 gallons. This is by one firm, Maier & Zobelein.

The tax on cigars is 30 cents per 100, and the stamps sold show the local manufacture to be 2,584,100.

UNITED STATES LAND OFFICE. Resume of the Business for the Year 1889.

United States Register Polk furnishes the following:

With this I beg to hand you a state ment of the business transacted in this office during the current year, up to December 17, 1889, and from which it will be seen that the total number of acres sold was 161,444.56, and the amount of money received therefor, and also the other various accounts mentioned in the statement, was \$98,

This includes all the business that was transacted for the time mentioned from which the Government derived a

In addition to the above transactions, there were filed, during the year 1889, 388 affidavits of contest; 3I cases were heard in which both parties appeared, and 70 cases in which default was made and ex parte testimony taken. There were more than 100 decisions rendered, some of them in cases that had been heard during the previous year.

As will be seen from the foregoing, a great deal of the work of this office a great deal of the work of this office is on contest business, and, by refer-ence to our docket, we find that there is a case set for every day to March 2, 1890. Very respectfully, I. H. Polk. Statement of business transacted in the United States Land Office at Los Angeles, Cal., during the year 1889:

221 preëmption entries	A OTTES.	Amount.
119 commuted homestead		
entries	16,278.30	27,755 98
30 excesses	648,07	887 57
24 sales timber land	2.231.68	B,568 82
21 sales mineral land	1,374.75	2,285 60
10 sales desert land	4.200.23	2,100 00
444 homestead entries	63,815,81	7,738 60
137 final homesteads	20 4:9, 23	1.265 70
179 timber culture entries.	23,407.83	2,266 00
3:2 preëmption declara-		
tions		1,049 00
9 homestead declarations		27 00
19 mining applications		19) 00
24 tumber applications		210 00
Timber depredations		60 00
3 coal land dec arations.		0 00
3 military bounty land		
warrant locations		12 00
3 mining protests		80 00
16.state selections		- 26 03
8 railroad selections		75 30
reducing testimony to		
wr.ting		815 93
		-
Totals	161.444.56	\$98 884 89
I. H.	POLK, R	eceiver.

THE POSTOFFICE.

Immense Business – Striking In-crease Over 1883.

The receipts of the postoffice for 1889 amount to nearly \$20,000, being an exceptionally large increase over the

previous year. During the past year the office has received and dispatched over 550 sacks and pouches of mail daily, equal to 16,000 a month, and amounting to 192,000 sacks and pouches of mail received and dispatched during the year.

Averaging each sack and pouch at 40 pounds the amount of mail handled would be equal to 3840 tons.

Upwards of \$1,000,000 has been handled in the money order branch.

Twenty-five thousand money orders

and 9000 postal notes were issued and a much larger amount paid. In the registry branch 16,122 letters and 3890 packages have been registered, and 21,248 registered letters and

packages delivered. Following is a comparative statement of deliveries by carriers of the Los Angeles postoflice for 1888 and 1889:

Peristered letters	7, 30, 89, 12,526 3,243,864 341,813 2,194,376	
Totals 6:4,394	5,793,579	İ
Total pieces mail delivered by car- rier, year ending Nov. 30, 1889	5,792,579	1
Total pieces mail delivered by car- rier, year ending Nov. 33, 1888	4,654,394	I

Collections by carriers of the Los

Angeles postomee:
Year ending. Year onding. Nov. 33. 38. Nov. 30. 39. Letters. 2,663.760 8,399.967 Postai cards. 414.485 543.841 Newspapers. 292,439 273,937
Totals
Total increase of pieces collected. 516,081 Total pieces of mail handled by carriers in 1889. Total pieces of mail handled by carriers in 1889. State pieces of mail handled by carriers in 1889. 8,055,078
Total increase of pieces handled over 1888. 1,054 266
MARITIME.

Report from the Collector of the Port of Wilmington.

Report of the Port of Wilmington, Cal., for the year December 1, 1888, to December 1, 1889.

Daniel Land	10	
Steamers, number		478
Schooners, number		99
Saina mumbon		30
Saips, number		18
Barks, number		14
Barkentines, number		6
Brigs, number		3
Total		618
Domestic tonnage, tons	441	759
Foreign tonnego tone	44	7.48
Foreign tonnage, tons	· 41	,747
Total	400	F00
7- Total	481	,500
Imports:		
Imports: Lumber, feet	48,924	.000
Coal, tons	20,000	015
Merchandise, tons	90	690
The feathers, cons	, 21	
Ties (railrosu), tons	. 96:	550
Coke, tons		250
Caustie soda, tons		22
Live stock, head		3,740
		, 140
Exports-all domestic, no rec	cord.	
Collections for year, \$58,660.2	23,	

EDUCATIONAL.

CHURCH AND PRIVATE INSTI-

University of Southern California-St. Vincent's- Los Angeles Col-lege - Harvard Academy -Baptist College, Etc.

OS ANGELES has, in addition to the comprehensive system of public schools (referred to elsewhere), a number of educational institutions under church patronage and private, of which the people may well feel proud. They are here briefly described:

The following is a brief outline of the University of Southern California: Rev. M. M. Bovard, D.D., president. This institution is under the patronage of the Methodist Episcopal Church. It has several colleges already in operation, each largely endowed, and several others projected, endowments in part provided for.

Of the colleges of the University now in operation the following may be

briefly meutioned:
College of Liberal Arts, located at
University Place, West Los Augeles,
Rev. F. B. Cherington, D.D., dean,
supported by a large and efficient faculty. Two large, commodious and
elegant buildings, free of debt, are oc-

ulty. Two large, commodious and elegant buildings, free of debt, are occupied by it.

The College of Medicine, located on Aliso street, J. P. Widney, M.D., dean, aided by a large and finely-equipped faculty. The building is large and well adapted to the wants of the institution, and is free of debt.

College of Theology, located at San Fernando, Rev. R. S. Maclay, D.D., dean, aided by an able faculty. The building is a fine one, the gift, free of incumbrance, of Senator Charles Maclay, who also gave the large land endowment which supports the college.

College of Agriculture, located at Ontario, W. S. Randall, Dean, with a strong faculty. The building is large, well-arranged and free of debt.

The seminary at Escondido opened October 1st, with Prof. C. A. Weaver and Prof. J. A. Morrison in charge. The school occupies a fine, large building free of debt.

Each of these five colleges has a good attendance and is in a flourishing condition.

boarding and day school for boys and Year ending, Year ending young men.

It was founded in 1867, and received its charter in the year following. Its first site was on Sixth street. Now it is centrally located in the residence portion of the city, within easy access by street cars from any point, the new Total pieces mail delivered by carrier, year ending Nov. 33, 1888... 4.654, 394

Fotal increase of pieces delivered. 1,138,185

Total increase of pieces delivered. 1,138,185

convenient for day scholars from all parts of the city.

The buildings are large, its halls and domitories lofty and spacious. The campus is extensive and furnishes abundant space for games and outdoor recreation. The institution is furnished with all modern conveniences, calculated to make the students feel at home and contented. Every effort is made to insure progress in studies. The system is simple, opposed to cramming the mind with useless or merely nominal branches.

The course is collegiate and commercial.

mercial.

The collegiate course embraces English grammar, rhetoric, composition, history (ancient and modern), elocution, geography, arithmetic, algebra, geometry, trigonometry, survoying, differential and integral calculus, chemistry, natural philosophy, astronomy, logic and metaphysics, Latin and Greek. The Spanish, French and German languages are optional.

omy, logic and metaphysics, Latin and Greek. The Spanish, French and German languages are optional.

In the commercial course, besides the English language, arithmetic, geography and elecution, particular attention is given to commercial law and book-keeping in its various branches. Students who have completed the collegiate course in a satisfactory manner are entitled to the degree of bachelor of arts; and, after spending two years in the pursuit of scientific or literary studies, they can receive the degree of master of arts.

Commercial diplomas are awarded to the students of the commercial department on the satisfactory completion of their course.

The college, though presided over by Catholic priests, opens its halls to all, without distinction of. creed. Whilst students professing the Catholic religion are instructed in that faith and exhorted to live according to its dictates, the religious convictions of non-Catho-

ion are instructed in that faith and exhorted to live according to its dictates, the religious convictions of non-Catholic students are never interfered with. A most strict and watchful care is bestowed on the moral training of the students. No offense against morality, in word or deed, is tolerated; the use of liquors and tobacco is strictly forbidden; offenders in this respect are liable to be dismissed; obedience to rule and authority is strictly enforced. The officers of the present term are:

The officers of the present term are: Very Rev. A. J. Meyer, C.M., president and professor of Latin and Ger-Rev. M. Dyer, C.M., professor of ogic and metaphysics and higher

logic and metaphysics and higher mathematics. Rev. L. P. Laudry, C.M., professor of chemistry, physics, French and

arithmetic.

Bev. J. J. Murray, C.M., professor of rhetoric, history, elecution and book-

rhetoric, history, elecution and book-keeping.

Rev. J. E. A. Linn, C.M., professor of mathematica, Latin and English.

Rev. H. I. Dockery, C.M., professor of commercial law, banking, arithmetic, stenography and Spanish.

Rev. M. J. Brennau, C.M., professor of mathematics, Latin, Greek and English branches.

English branches. F. McNeil, C.M., professor of Latin

J. Murphy is in charge of the primary class. Prof. T. Wilde teaches plane and

Prof. J. Gardner teaches the violin and other string instruments.

LOS ANGELES COLLEGE.

Seminary for Girls and Young Ladies. The preliminary steps for the organ-

ization of a Christian school in this city, for the higher education of girls and young women, were taken in June, 1885. It was the design of the organizers to establish such a college as would afford for the Southern Pacific Coast a course of instruction for young women equal to that of the leading colleges in the East.

The institution was made non-sectarian, though preëminently Christian. It is under the control of a board of It is under the control of a board of trustees, elected without regard to church connection. The college was chartered under the laws of the State of California, with full power to confer degrees, and it was formally opened on the second day of September, 1885, in a building erected for its temporary accommodation, near the corner of Fifth and Olive streets.

ST. VINCENT'S

Catholic College for Boys and Young Men.

This institution, located on Grand avenue and Washington street, is a boarding and day school for boys and that a man and was therefore necessary that a man are supported and the school was rapid, and though many additions were made to the buildings, it was seen found that they could not be arranged so as to accommodate the numbers applying for admission. It was therefore necessary accommodate the numbers applying for admission. It was therefore necessary that a more commodious structure should be erected. Stock was subscribed by a number of our citizens, and the present location, corner Eighth and Hope streets, was selected. During the fall and winter of 1887 and 1888 a building 90 feet by 140 feet, was erected, costing over \$60,000.

It is in the form of a hollow square. The court is 45 by 70 feet. Two large skylights, containing over 800 feet of glass, flood it with light and sunshine. It forms a delightful place for exercise,

for the regular gymnastic drills, and for the musical and literary entertain-

ments.

Around the court and opening into it are the assembly-room, recitation-rooms and school halls. These are large and airy, and are adapted in evyry way to the purpose for which they are used.

The bedrooms are 22 feet long by 12 feet wide.

The bedrooms are 22 feet long by 12 feet wide.

The building is heated by steam, with a radiator in each room, and is lighted throughout by the Edison incandescent electric light.

Complete philosophical apparatus enables instructors to give all the experiments usual in the study of physics.

The study of physiology is pursued with the aid of a skeleton, manikin, and dissection of the different organs of the lower animals.

The study of physiology is pursued with the aid of a skeleton, manikin, and dissection of the different organs of the lower animals.

A chemical laboratory enables the pupil to master the study of chemistry by the aid of practical experiments.

When practicable the classes are taken to visit and see for themselves the application of the principles of science in the manufacture of things of daily life.

There are 302 pupils in attendance.

The faculty is as follows: Rev. D. W. Hanna, A.M., president, mental and natural sciences; Alice M. Broadwell, lady principal, history; Christine Moodle, literature and rhetoric; Mary C. Noyes, A.M., mathematics; Amy Saxton, assistant mathematics; Mary A. Ree, zoölogy and geology; Rev. J. C. Nevin, botany; Linda Carver, principal preparatory department; Laura Moore, primary department; Laura Moore, primary department; Lucy S. Hanna, secretary. Department of elocution, Kate Seaver Downs; W. Havermann, Latin; Rev. Charles Bransby, Spanish; Prof. A. H. Dietz, French; Herr Arnold Kutner, German; Adolph Willhartitz, piano, organ, theory and harmony; Bertha Butler, voice; H. R. Hamilton, violin; C. S. DeLano, guitar; Miss A. Werner, mandolin. Art department, Mrs. C. F. Merrill; Alice M. Broadwell, director of gymnasium; Martha Stewart, matron.

Harvard Military Academy. On the 19th of March, 1888, Harvard School was established, and opened to students by Profs. N. W. Murch and H. L. Lunt.

It was designed to provide thorough and careful instruction in English, science and the classics—fitting its students either for college or business. The character of the school and the quality of instruction soon won for the institution a goodly number of students, which steadily increased till it became necessary to procure more commodious and convenient quarters. Fortunately in this emergency the St. Vincent College building, used as the United States Army headquarters, was soon to be vacated, and a lease was obtained of this building, which adequately supplies the wants of the school. and careful instruction in English

school.

The college building is located on the corner of Sixth and Hill streets, directly opposite the postoffice. It is accessible by street cars from all parts of the city. The grounds comprise two and ene-half acres of lawn admirably adapted for drills, laws tennis, croquet, base-ball and other outdoor sports.

mirally adapted for drills, lawn tennis, croquet, base-ball and other outdoor sports.

At this juncture it was deemed advisable to change in some respect the
character of the school by introducing
military drill and discipline, and by
opening a department of elocution and
oratory. This necessitated, also, a
change of name fn the school, which is
now known as the Harvard Military
Academy.

There are over 125 students in attendance. The instructors are: N.
W. Murch (graduate of Phillips, Andover, Mass.), mathematics and science; H. L. Lunt, A.B. (graduate of
Bowdoin College, Maine). Greek, Latin.
English, book-keeping; W. Havemann,
A.M. (graduate of Gottingen, Germany), ancient and modern languages;
Godfrey Birdsall (of West Point),
mathematics and military tactics; H.
B. Small, assistant in English.

Los Angeles University. This institution is under the patronage of the Baptist Church. The buildings, which cost about \$35,000, are located in a campus of 16 acres, just outside the city limits in the The buildings occupy a commanding view of the Sierra Madre range on the north, and of the Pacific Ocean on the

The college property is free from debt. One hundred and eight pupils

debt. One hundred and eight pupils were enrolled last year.

The faculty is as follows: Rev. J.

II. Reider, president, intellectual and moral philosophy; Rev. H. C. Bristol, A.B., Greek, higher mathematics, book-keeping and commercial law; Miss Jennie Pomerene, A.B., Latin and German literature; Rev. T. N. Lord, chemistry, physics, rhetoric and physiology; Miss Emma Bennett, A. B., French, English literature and calisthenics; Mrs. Emma B. Reider, mathematics and United States history;

es (gallons), 485,990...... 71,490

Hay ... 17,040.

A. H. Denker, who has taken a comendable interest in this subject, increms us that the grain crop of 1889 was bout 125,000 acres, and that for the comeng year as much as that has been already planted, with a prospect that the aggregate will exceed it by 100,000 acres. Mr. Denker puts the area of the county at 3,000,000 acres, of which 2,000,000 are arable land, and he thinks that the future great industry of this that the future great industry of this that the future great industry of this county is beet sugar.

FRUIT-GROWING.

Citrus-fruit Culture and the Situa tion in Southern California.

Slightly paraphrasing the "Song of he Brook" in Tennyson's exquisite dyl, well may Southern California

Booms may come and booms may go, But I go on forever, for in her winterless clime, her cerulean kies and her balmy atmosphere is the 'Elixir of Life" and the "Fountain of Youth," which old Ponce de Leon vainly sought amid the malarial everglades of Florida; and in her generous and fruitful soil a promise and a guarantee to the present and future generations of independence, prosperity and grandeur, of which the denizens of less favored regions of earth have never dreamed, and which we, her favored suns and daughters, as yet fail fully to appreciate,

fail fully to appreciate,

But granting that God's primeval
curse clings to useven in this 'western
Eden," and that the "sweating" process must forever go on, let us look
only on the "bread and butter" side
of the question, and, judging of the
future by the past and present, endeavor to formulate a true and proper
augury of the horticultural situation
as it now is, and promises to be.

In the good old days of Don Benito,
Wilson and William Wolfskill, and
even later, the scalebugs of various

In the good old days of Don Benito, Wilson and William Wolfskill, and even later, the scalebugs of various sizes, colors and names unpronounceable came to molest and make us afraid. An orange and lemon orchard was a veritable gold mine to the fortunate possessor, and the little "perspiring" that was requisite in their care and cultivation was all done by a few Indian and Mexican laborers. Then followed Mr. S. J. Rose and others with large plantings, and about the year 1870 a regular citrus "boom" set in, and everybody able to procure one thousand, one hundred or one dozen trees set them out, and sat down to dream of golden fruits and golden profits; and well was their faith justified until the advent of the terrible scale pests, white and red, a few years later. More especially the icerya purhasi or cottony cushion scale, with its loathsome and irresistible advance, spread terror and destruction everywhere. It is needless to stay its destructive progress, all without avail. It threatened the destruction of every other tree, shrub and lower, as well as the citrus family. Then came a vague rumor that in Australia and New Zealand there was in existence some unknown parasite that could successfully cope with and Then came a vague rumor that in Australia and New Zealand there was in existence some unknown parasite that could successfully cope with and annihilate the terrible scourge, and Mr. Albert Koeble of the Entomological Division was sent to investigate. It is said that but for the energetic assistance rendered by Mr. Fr. McCoppin, United States Commissioner to the Melbourne Exposition, who took the responsibility of advancing the funds necessary, the mission would have been a fallure. To the Messrs. Spreekels, also, of the Oceanic Steamship Company, who generously took charge of and transported, free of cost, the various consignments on the long voyage through the tropics, the most heartfelt thanks and gratitude of our entire community are due. The first three consignments were received by Prof. Coquilette in December, 1888, and January, 1889, attogether about 130 of the vedolia cardinalis or Australian lady-bug, and they were at once placed in tents encircling trees in the tent with the cottony cushion scale upon the premises of Mr. Joseph W. Wolfskill, on Alameda street, Los Angeles, and to the faith, energy and public spirit of that gentleman, ably and zealously seconded by the efforts of Prof. Alexander Craw and D. W. Coquilette, is more largely due than to any others the credit of distributing as Prof. Alexander Craw and D. W. Coquilette, is more largely due than to any others the credit of distributing as rapidly and widely as possible this most invaluable parasite ever discovered, the savior of the homes of Southern California. During February also, Col. Dobbins and Mr. Chapman of San Gabriel received from Prof. Coquilette consignments of the vedolia, who, later in the season, distributed many colonies among surrounding orchards. In June the Los Angeles County Horticultural Commission, having been

created, decided to establish a propa-gating station at the orchard of Mr. William Niles, on Washington street, and several large orange trees were in-closed with canvas houses and large numbers of the vedolia, in the pupsa and large stages were procured and and several large orange trees were inclosed with canvas houses and large numbers of the vedolia in the pups and larvæ stages were procured and placed therein. Several hundred colonies were distributed free to the citizens of this county and a good many sent, on application, to Santa Barbarbara, Fresno, San Mateo and Contra Costa. It is estimated that at least 40,000 vedolias were distributed from this station alone. The effect was magical. Before the 1st of October the countless myriads of icerya had been annihilated, and only the empty flaments, like ghostly shrouds, were left in all the land to tell that they had ever been. Then almost as sudden as a meteor's flash vanished the vedolia. It was feared by many that they would all be lost, and steps were taken by the commission to preserve a few, if possible, in tents during the winter. As had been anticipated, the white scale in many places began to make its reappearance, probably the eggs having been hidden in the sand and soil beneath the trees, and thus escaped the search of the ravenous vedolia. But almost simultaneously reappeared the beneficent parasite, and now they may be found in almost every orchard, "attending strictly to business," and the question of the "survival of the fittest" may be considered solved. The red scale is now the only formidable enemy to citrus fruit culture in Southern California, and it is confidently believed it will be soon under control, if not absolutely annihiated. Although no effective parasite corresponding to the vedolia for the cottony cushion has yet been discovered, it is believed one will be, and in the mean time good results are being obtained by cutting back and spraying with various emplies and services are sensially some of the

sponding to the vedona for the cottony cushion has yet been discovered, it is believed one will be, and in the mean time good results are being obtained by cutting back and spraying with various emulsions, especially some of the new, cheap and simple resin washes. Best of all, it is just at this writing absolutely demonstrated that the fumigation of trees with hydrocianic acid gas under proper conditions will destroy almost every living red, black and other scale or insect pest, and that at an expense of but from 20 to 40 cents per tree, according to size, one application being necessary only every two or three years. There is not a full-grown orange tree in Southern California that if restored to health and vigor will bear less than from five to ten boxes of fruit, and that means \$5 to \$10 per tree—from \$350 to \$700 per acre. Any horticulturist not willing to expend \$50 per acre, if necessary, per annum in fertilizing and keeping down insect pests, should at once dig up his trees and raise barley or peanuts instead. There is not the slightest doubt that the gas treatment applied to deciduous trees infected with the San José scale will prove equally efficacious. So we may now consider the terrible insect pest question settled, and proceed to plant new orchards with the fullest confidence that we can enjoy the fruits thereof. The day is dawning, the clouds of darkness and doubt rolling away. What is the promise of the future?

Probably a reasonably correct approximate estimate of the whole pure future?

clouds of darkness and doubt rolling away. What is the promise of the future?

Probably a reasonably correct approximate estimate of the whole number of citrus trees now in orchard in the State (mostly Southern California) is about 3,000,000, or, in acres, a little less than 43,000. It is safe to assume that the number and area will be more than doubled within the next ensuing three or four years, and that in the year 1900 there will be in nearly full bearing 100,000 acres—7,000,000 bxess of. oranges and lemons, or about 75,000 carloads. To move this immense amount of freight in 150 days (five months) would require 50 daily trains of 10 cars each. Probably before that time railroad transportation will be so cheapened that \$75 per carload to the different centers of propulation of the United States may be assumed as a fair estimate. "Is there not great danger of over-production and a consequent glut of the markets?" it may be asked. Not the slightest. In the year 1900, east of the Rocky Mountains, and including Canada, which we shall supply, there will be considerably more than 100,000,000 of inhabitants, giving less than one-quarter box to each person, and several millions of people west of the divide still unsupplied. In the year 1900 we shall be able to deliver our citrus fruits at all the eastern conters at \$1 or \$1.10 per box, and then they will want more than we can send them, and our orchards will continue to be worth \$1000 per acre and upward. They will want all the walnuts, prunes, peas, poaches, apricots and figs that we can send per acre and upward. They will wall the walnuts, prunes, peas, peaches, apricots and figs that we can send them at reasonable prices and of good

them at reasonable prices and of good-quality.

Moral: Plant any or all of these trees if you have suitable soils and locations and can take good care of them. Don't be afraid of insect pests, but fight thom and conquer; don't be afraid of over-production; don't be afraid of the future!

ALBERT F. KERCHRYAL.

ALBERT F. KERCHEVAL.
Los Angeles, Dec. 15, 1889.

MINES AND MINING.

COUNTRY RICH IN USEFUL EARTH DEPOSITS.

General View of the Subject--Valuable Minerals Lying Dormant
-- Fundamental Principles Discussed.

HE interest in all that tends to promote the development and utilization of visible resources, lying dormant around us, now still (with unimportant exceptions) lacks proper appreciation, and little progress is being made toward their preparation and manufacture. If some seemingly commonplace thing is required, may be but a little chalk, a drug store is sought, the purchase is made, but who stops to make inquiry where the article came from. We might unthinkingly say it is a small affair unthinkingly say it is a small affair and not worth our while to give it thought. Despise small things and fail to aggregate them, and we neglect the grasping of the possible importance that is in them as a multitude, and that astonishes us when we begin to figure their variety and quantity, and our daily requirement of them in the affairs and wants of life. Suppose as a matter of curiosity an enumeration of some of these small things be made, such as the chalk, as an illustration. Its uses are many, and in order to demonstrate intelligently, not alone its especial importance—for it is small—but by analogy it leads to the consideration of other small things in great numbers, and, as a list, turns out to be formidable.

Its uses are for face powders, silverware polishing draws chalk-lines in

great numbers, and, as a list, turns out to be formidable.

Its uses are for face powders, silverware polishing, drugs, chalk-lines in carpentering, for calcimining walls, and many other uses. One pound to each inhabitant per year would likely be a very conservative estimate. For 100,000 inhabitants, at an average of 5 cents a pound, would be \$5000 per year. Plumbago for stove polish, electrotype facings and other uses, say for the same population at only three ounces to each inhabitant, would be 18,759 pounds, which at 15 cents would be \$2,812.50. Baskets of all kinds, say only one to every 10 persons, at 30 cents each, \$3000. Bottles, large and small, tumblers and ordinary glassware. At 31 per year only, for each inhabitant, \$100,000. Plates, cups and saucers, pitchers, etc., for a family of five persons, say 20,000 families, at \$5 per annum each is \$100,000. Writing inks, say 5000 large bottles, averaging 50 cents each, \$2500, small, 10,000 at 10 cents, \$1000.

How quickly these figures run up to colossal proportious! Only a com-

cents, \$1000.

How quickly these figures run up to colossal proportions! Only a commencement has been made and we have \$214,312 per year for articles that could be manufactured here, and still the sum named is only a very small portion of a vast aggregate.

It may be said we have no raw materials about us to make these articles!

Let us see: There is a deposit of the finest natural chalk near Oro Grande that is so pure and smooth that it is fit

Let us see: There is a deposit of the finest natural chalk near Oro Grande that is so pure and smooth that it is fit for face powder, even without treatment. Of plumbago there are several large deposits of sultable quality. Willows of the kind used in basket-making can be grown here in any quantity desired. Sand of a quality pronounced by experts to be ample for most of the arts of glass-making is plentiful. Kalolin of unusual purity and very white, for making white table queensware, comes to my laboratory frequently from points not far from this city. So it is with most of the raw material needed to produce many of the wares and things used by us in our daily affairs. If some manufacturer would produce a number of articles instead of one, say quite a variety of small things, as a whole they would cover a larger field and enable such works to prove profitable by reason of variety.

For instance, suppose a small works started on a variety of materials of a somewhat kindred nature, i.e.: Chalk prepared for various uses; plumbago, stove polish, etc.; blacking for boots and shoes; French chalk for tailors' and shoe dealers' uses; plasfer of paris (gypsum) for gas chandelier center pieces, wall finishing, etc. Here is a group of materials that could be combined under one, roof and a good deal of the machinery plant would handle at least three of the products without separate appliances.

deal of the machinery plant would handle at least three of the products without separate appliances. While, maybe, any one of these articles, ex-cept the plaster of paris, would not pay as separate productions, there is no question but what combined as a whole, they would be highly remuner-ative.

ative.

During the last year some attempts have been made to produce a marketable hydraulic cement, but the product has not been satisfactory. Materials, so far as analysis proved, of a proper

quality, somewhat widespread over several adjacent counties, were used in these trials. Most of the experiments made were based on the products of one locality or deposit by blending lime, silicates, alumina and magnesia, in supposably proper percentages. Some very good appearing cements were produced, setting under water, but in the course of a few days or weeks the set came out, and disintegration followed.

Whether these failures were the result of lack of practical knowledge or not on the part of the experimenters, or improper materials being used would be difficult to determine.

A cement will likely be successfully made here without doubt, but not, probably, from materials all coming from the same place or deposit. It seems to be well settled that the proper grade of stone will have to be taken from several localities, producing thereby a blending that would reduce to a quality desirable.

SMELTING WORKS.

SMELTING WORKS.

Considerable talk has been indulged in relative to establishing smelting works at or near this city, in case of the construction of the Southern Utah Railway, with a connection to our tidewater. That railway line would traverse a great mineral field, and sufficient in extent to justify a reduction plant here.

cient in extent to justify a reduction plant here.

There are features, however, in connection with this subject that it would be well to consider.

If, as has been stated, great coking, coal and iron measures are to be tapped, by this road, would not extensive works likely result at the mines for utilizing the iron and coal, and would not reduction works to cover the ores carrying gold, silver, lead, copper, etc., naturally cluster there, and would it not also be natural for a railroad company to foster and encourage them at that point, instead of allowing these products to come here, where at least two roads would seek to divide the transportation of products to eastern markets? Whereas, by the other course, they would virtually monopolize coal, coke, iron, and every kindred industry, including transportation.

coke, iron, and every kindred industry, including transportation.

The Pueblo (Colo.) works reach out almost to our doors in their grasp for precious metal eres, having a freight rate covering some 1500 miles, at \$9 per ton. Under ordinary circumstances, we could at least hope to control transportation at a living rate on ores over the Southern Pacific and Santa Férallways; but the Utah project would again translate that possibility by controlling the fuel we would absolutely need for a successful solution of the question.

Local efforts are being made to man-Local enorts are being made to man-ufacture plaster of paris for use here. The trouble has been to find a suffi-ciently pure gypsum of uniform white color and quality. Many deposits have been prospected and analyzed, but most of them carried either silicates or iron or them carried either silicates or from in too great percentages to answer. A number of mines, however, are available, and it is confidently expected that a good, marketable article will soon be produced. Orchardists and agriculturists will soon find use for ground plaster also for regulating soils.

MINING

for the precious ores of gold and silver has been more brisk during the last few months than for several years. Capitalists of this city are shy of mining ventures, and a property that mining ventures, and a property that would command respect must be meritorious beyond question. Most prospectors do a little work on a find, generally consisting of a hole a few feet in depth, and, if an assay shows the cre to yield a paying amount, jump to the conclusion that they have "struck it rich," and have a mine. As a rule, they pull up stakes and start for some city or town to sell their find. In the majority of cases they fail to enlist any capital, for the reason that not enough work has been done to prove that they own even a reasonable prospect.

enough work has been done to prove that they own even a reasonable prospect.

When this hardy, and, as a rule, hard-working class, realize that no one will pay anything for a little hole in the ground, it will be better for them. If the miner of this class will do more work and assure himself that he has a likely prospect, by development work, he can sconer impress the man of capital to help him out and appreciate honest effort. In mining matters, capital rightly directed, by brainy men, can bring us at least a share of the good things that may be unearthed within a reasonable radius of this city. Mopey must be forthcoming to so direct and so influence the management of mines tributary toour city, as to bring the bars of bullion to our credit. If we are farsighted and alettly cover grand opportunities in time and before others more enterprising cover the ground, vast commercial scope can be subserved and turned to our use and benefit.

EXCHANGE

EXCHANGE

of the grain, fruit, wines, and proftucts of our fields and manufactories must be brought about with the miners. We should reach out, especially to Arizona, that land of sunshine, gold and silver. A Territory that, without doubt, has richer and more varied mineral resources than any other equal area, as a whole, on this globe.

Los Angeles can be made, as it is, the natural trading point for this ter-ritory, but it will be lost to us it we fail to use well-directed endeavors to introl it.

control it.

Already eastern tradesmen, eager and farsighted, are making successful efforts to cover this rich field. They put their money back of their efforts. They invest in good mines, in cattle ranches, water canals and lands, railroads and town property, and in time will reap a reward that would be ours were we farsighted and wise.

TALK AND ACTION.

Our fair city has a commanding advantage, and can conquer the world around her, but it means work and capital turned in proper directions and managed with skill and reasonable foresight.

Our citizens organize strong bodies

foresight.

Our citizens organize strong bodies of business men, made up on principles of power, influence and good qualities, but they figure too near home and linger over the ashes of a spent boom, and wait for a rise in corner lots, without a resort to heroic, widespread and reaching practicable enterprises.

Good resolutions, on paper, sound rell right, but they fail by repetition to icartily command attention, as they annot bring about desired practical aults.

cartily command attention, as they cannot bring about desired practical isults.

Of one thing, our business men can rest assured, and that is: No manufacturers can see their way clear or defend upon uniform results without a caper steam-making fuel. It would by to combine and purchase a coalgoperty north and the ships to transfit to this city, today, and dispose if the fuel at cost to consumers on a resoperative basis. Men who combine for their own protection will succeed, whereas an individual would be powerless alone. This one vital drawback is costing this community untoid millions in drainage of money needed at home. We transport great vans of goods and wares from abroad, simply because there is a lack of appreciation and effort to produce them here. Begin at the right end of things and the needy applies naturally.

We cannot hope to quickly accomplish this and bring about these changes, it as beginning can and should be made. If sustaining measures of a nature that is not all consumers and no producers.

Nature has done her share for us.

Nature has done her share for us.

Nature has done her share for us. Witness our natural and as yet untouched resources, scattered with a layled hand about us.

Wealth in our fields, in the mountains and hills. Our proximity to the ocean, the free highway of the world; our climate; the scenic beauty that surrounds us, and multitudes of almost unseen and unappreciated blessings about us on every hand, should stimulate us to something grander and nobler than mere idleness and speculation.

JOHN P. CULVER,

Civil and Hydraulic Engineer.

OUR MINERAL RESOURCES.

A Particular Mention of Southern Mines and Mining Districts. The mineral resources of Southern California are both extensive and varied. Besides the precious metals, we have large deposits of copper veins and deposits of lead; mountains of iron and salt; and veins of coal and tin; lakes and deposits of mineral salts; building material, clay, plumbago, hydraulic lime and limestone, marble, gypsum, etc.

This extremely diversified mineral wealth is scattered throughout the southern counties, and affords lucrative employment for a very large num-

ber of men.
Besides the minerals, we have

Besides the minerals, we have several petroleum basins, of which that near Newhall and the Puente basin are the most valuable and productive at present.

Before referring to the precious metal industy, some reference will be made to the various other economic deposits of minerals in this end of the State.

In the Sierra Madre Mountains, near the caffon of the Tejunga, are large veins of iron ore, which must some day be utilized. These ore bodies are be utilized. These ore bodies are situated in the midst of an immense forest of fine pine timber, and if the ores are not smeited on the spot with charcoal made from the timber, a railroad will be built to recover both.

In San Bernardino county, about 16 miles from Daggett, is a veritable mountain of iron ore of splendid quality, and though at present of little talue, it cannot always remain so.

In San Diego county, also, are large

deposits of iron ore, all of which will attract attention in time.

COAL.

Our coal mines are not as extens ive as we should like to have them, but good coal is being mined near Elsinore, which is finding its way to the market and meeting with favor. There are also veins of coal near Riverside, but nothing of note is being done on the property at present.

COPPER. No copper is being mined in Southern California, at present, though there are copper-bearing veins of great prospective value in San Ber-nardino county, in what is known as the Ord district.

the Ord district.

A lead of quartz, carrying considerable sulphide copper ore, has been discovered near Wilson's Peak, in Los Angeles county, but it must be rendered more easily accessible before it has any value.

There are numerous veins and deposits of copper elsewhere in this part of the State, but the present low price of copper does not admit of their being worked profitably.

GRAPHITE.

A deposit of graphite, or plumbago (black lead), has been found near Cres conta Cañada, but little has been done to develop it. Graphite is not an un-common mineral, but it must be very pure and occur in large quantity to have

LEAD.

Lead is a metal much in demand in this part of California, and white there is an abundance of lead ore scattered about the southern counties, the most of it is situated too far from the various lines of railway to be of much

About 23 miles from Newhall, on the Santa Barbara branch of the Southern Pacific, in Castee Cañon, a mine is being developed which carries a large amount of lead ore. The ore also assays quite well in silver. It is quite possible this mine, called the Silver Mountain, may be equipped with a smelting furnace the coming year.

All about Ore Grande are deposits of lead ore which promise to make quite a large output. The mountains near Barstow also contain lead deposits. In fact, the amount of lead ore in that part of San Bernardino county is so large that a smelting plant is talked of at Ore Grande.

The Resting Springs and Panamin mines also contain large quantities of lead, but these ores will not become available until more convenient transportation than 100 miles of freighting across the desert is afforded. About 23 miles from Newhall, on

TIN.

The tin mines of the Temescal though undoubtedly of some prospective value, are not being worked beyond the necessary assessment.

During the past few months gypsum has been in demand, and the prospect is that a company will soon commence manufacturing plaster of paris and

fertilizer from the deposits near Acton.

There are quite a number of gypsum beds of greater or less value in Los Angeles county, and it would seem that each of them might be made valuable if they were in the proper hands. SALT.

Salt is obtained at quite a number of places in this part of the world. large amount is manufactured at the seashore at Redondo Beach and elsewhere, but the larger amount is taken from lake beds and artificially evaperating saline waters from artesian wells. There is a large concern manufacturing salt on the line of the Southern Pacific road in the Colorado Desert,

on the Mojave Desert, a few miles from Resting Springs, is a good-sized hill of salt, and it is reported that near the Colorado River below Yuma there is a veritable mountain of this valuable reduct. able product.

This mineral is mined quite extenrom lake beds and from a vein in the Calico Mountains. The annual product aggregates a large sum.

BUILDING MATERIAL. The number of places where building stone and lime may be found is so large that it would require too much space to give them in detail. Suffice it to say that every county in Southern California has quarries of sandstone, lava rocks, lime, marble and excellent granite that cannot be surpassed by any imported article of the sort.

PRECIOUS METALS.

Southern California is the natural treasure-house of untold millions of golden and silver wealth. Almost every range has more or less good mines, and nearly every hill on the desert is the repository of hidden treas-

ure. Brief mention is made of the most

promising districts, the field being too broad and the space too limited to deal to any extent with individual proper-

SILVER REEF.

One of the most remarkable mineral districts in the world is that known as Silver Reef, in the Black Hawkmining

districts in the world is that known as Silver Reef, in the Black Hawk mining district, in San Bernardino county. The reef was discovered in May, 1888, by Pasadena parties, who staked out and have since developed a number of claims. Geologically the formation has but few counterparts, being an immense bed of calcareous and silicious material, evidently adeposit from hot springs. The formation is about 100 feet in thickness, and has been developed to nearly this depth by shafts. The ore occurs in zones or bands of mineralized calc-spar, and is chiefly chloride and chloro-bromide of silver, running from 30 ounces up into the hundreds of dollars per ton. This camp is one of unusual promise to the small investor, as high-grade rock can be shipped at comparatively small expense to Oro Grande and elsewhere. The present outlook for Silver Reef is most flattering, as abundant capital is being interested, and within the coming year considerable shipments are anticipated.

ORO GRANDE,

ORO GRANDE,

a small town on the California Central is rapidly assuming airs of importance. The discovery of what appear to be The discovery of what appear to be large and valuable mines in the vicinity of the town have given a decided impetus to business of all kinds. Oro Grande seems to be the center of quite an extensive mineral district. To the west of the town are the now quite famous Clinker and General claims. These produce chiefly lead and silver ores, and promise to become large producers. They are owned by a syndicate of Los Angeles gentlemen.

Quite near Oro Grande, on the east side of the railroad, is a lime quarry, where limerock has been broken for some time for burning in kilns near the railroad. During the past year a man named Collins discovered silver bearing carbonate of lead and galena in the lime quarry, and the pro_rty is now being developed as a mining claim.

now being developed as a mining claim.

The Adams Bros.' gold mine, about

The Adams Bros. gold mine, about 12 miles east of Oro Grande, has already earned quite a local reputation as a producer of pay rock. The ore is base, but carries about \$60 per ton. There is considerable talk about building a smelter at Oro Grande to treat the ores of the district.

ACTON.

The gold district of Los Angeles The gold district of Los Angeles county is Acton, located about 56 miles from Los Angeles on the line of the Southern Pacific Railroad. There are several producing gold mines in this camp, the most prominent of which are the Red Rover and the New York mines. Both of these properties are equipped with mills and are grinding out the yellow metal, shipping about \$10,000 monthly.

On Mt. Gleason, eight miles southwest of Acton, some very promising gold prospects are being developed and machinery put in to thoroughly test the property.

THE SAN GABRIEL CANON.

THE SAN GABRIEL CANON The silver mines in San Gabriel Cañon have been attracting considerable attention lately by reason of the discovery of silver ore of extremely

able attention lately by reason of the discovery of silver ore of extremely high grade.

The prominent mines of the group are the Kelsey and Mint and the New Year's Gift. The former claims were owned by a Los Angeles and eastern syndicate, which recently bought the latter claims from Mesers. Cullen and Miller. The "O. K.," located south of the Kelsey, is also a promising property, and has considerable development. The ore is chiefly native silver and silver glance, with some chloride in a gangue of heavy spar.

The Victoria mines, owned by an English company, are opening the old Zapata and Winston mines, and have recently built a very complete 10-stamp silver mill. The ore is also of good grade, and the property has the appearance of becoming a bonanzs, at least so the company claims.

At Glendora a strike was recently made on the hills back of the town, which may develop-something valuable. A mill is being constructed in a cafion fear town, and the owners of the property are showing their faith by their works. The result of this expenditure of capital, in machinery and development is looked forward to with great interest.

NEWHALL PLACERS.

NEWHALL PLACERS.

During the year the placer mines in the vicinity of Newhall, in Los Angeles county, have been worked with renewed vigor. The principal work has been in Placerita Cañon, where hydraulic machinery has been in operation for several months; but it being found that the pumps and engines were inadequate, they are about to be replaced with a heavier plant, and during the coming year it is expected

that considerable gold will be the out-come of these improvements.

A number of Mexicans and "coyote-bels" respect.

A number of Mexicans and "coyote-hole" prespectors are taking, out gold from almost every gulch in this region about Newhall, including Dead Man or Los Murtes Dry Cafion, Soledad and the San Francisquito. Though the amount of gold taken out by any one of these prospectors is not large, in the aggregate the result of their combined labors makes quite a large sum annually.

aggregate the result of their combined labors makes quite a large sum annually.

The placer mines in the San Gabriel Caflon also have produced a considerable amount of gold during the year. A more systematic method of operations would doubtless result in opening valuable alluvial deposits. It will be necessary to control the water and to operate the mines in a manner which will produce the best results.

In Holcomb Valley some placer gold has been mined during the year, but the lack of a dumping-ground is a drawback to these mines, which will forever preclude any extensive operations there without an expenditure of a large amount of money.

Placer mines are scattered here and there about Southern California, but it is preeminently a region of leads and not placer mines. There is one famous locality in San Diego county, in the Cargo Muchacho Mountains, in Pipindero Flats, where gold nuggets were picked up on the surface of the ground, but these placers have joined the boom; they no longer exist.

CALICO DISTRICT.

The Calico Mountains, located in

CALICO DISTRICT. The Calico Mountains, located in San Bernardino county, produce the largest amount of silver of any mining

district in the State, at present.

Much has been said and written of Calico, but much evidently still remains to be learned concerning the nature and extent of the ore deposits of the district. Calico is a camp which has always stood on its own merits, paying its way from the outset, and until the mines were opened and had produced millions in silver but little outside capital was interested. The

paying its way from the outset, and until the mines were opened and had produced millions in sliver but-little outside capital was interested. The developments of the past year have been of a very gratifying nature to the miners, as the mines show a richness and permanency which it was formerly believed were not among the possibilities.

The extensive ore chambers opened in the Waterloo, the Occidental and Oriental have opened the eyes of the world to the fact that Calico has bonanzas, and big ones, too.

The output of the district, as nearly as could be learned, has been for the 12 months past about \$1,100,000. This estimate includes all the output of the companies and chloriders. There are operating on Calico ores four stamp mills, having a total of 115, stamps, with a crushing capacity of 350 tonsevery 24 hours. The ore is a free milling chloride of silver in a gangue of porphyritic rock, which is usually quite soft and crushes rapidly.

The mills of the Waterloo Company are at Daggett, about six miles distant from the mines. A narrow-gauge railroad connects the mines with the mills. The cost of transportation, it is stated, is but 12 cents per ton.

Calico has still a bright future and will produce many more millions before the camp is declared "petered."

Despite the encouraging results of "deep mining," in Calico, none of the mine-owners have had the courage to tost their property beyond 300 or 400 feet. In most mining camps a property is scarcely considered opened until this depth has been attained, at least. Should a deep shaft (1000 feet or even 2000 feet) be sunk, it is quite likely the deposits will be found to continue to that depth, and it is possible that water may be encountered (the mines are now perfectly dry); and, while this would necessitate pumping, it would afford enough water, in all probability, to operate a large number of stamps.

When the mines of Calico are opened in this way they will have an assured permanency and value which can never come as long as the present "hand-to-

When the mines of Calico are oppned in this way they will have an assured permanency and value which can never come as long as the present "hand-to-mouth" system is engaged in. The mines are exploited in a manner which is calculated to convey the impression that they have no future, when every indication points to large and valuable deposits indepth.

IN THE DESERT.

There are hundreds, even thousands of claims scattered throughout the mountains of both the Mojave and Colmountains of both the Mojave and co-orado deserts, many of which are never heard of through the columns of the papers, but many of which possess real value, and only require capital to make them productive; while others await the coming of a railroad to make them profitable. All along the line of the Atlantic and Pacific and the Southern Pacific railroads are mountain ranges, in almost every one of which are valuable deposits of procious metals.

ous metals.
Some of the prominent districts on the
Atlantic and Pacific are the Vactor, Barstow, Kramer, Harper, Ludious Lovic,
Amboy, Bagdad and Fenner.

I. N. Inskeep, penmänship and free-hand drawing; Miss Beil Stites, draw-ing and painting; Henry Ludlam, elocution; Miss Emma F. Rider, M. M., instrumental music, voice culture, theory and practice; Miss Kate C. Rider, M.M., instrumental music.

Other Institutions.
Other educational institutions of the city are: Occidental University (Presbyterian), Rev. S. H. Weller, presbyterian), Rev. S. H. Weller, president; Ellis Villa College (young ladies), Prof. Henry Ludlam, principal; St. Paul's School; for young men (Episcopal), under management of Rev. Elias Birdsall; Los Angeles School of Art and Design. Los Angeles Conservatory of Music, Girls' School of Sisters of Charity, Boys' School of Santa Vibiana Cathedral, Woodbury Business-College, Los Angeles Kindergarten, and numerous private schools.

CHURCHES, ETC.

Religious and Other Organizations of the City. Los Angeles contains 42 church or-ganizations, 39 of which occupy build-

ings of their own. They represent nearly every shade of every creed, have a fair membership and a steady healthy growth, and are well attended. The following is a list of the city churches: Presbyterian.
Methodist Episcopal.
Congregational.
Protestant Episcopal.
Baptist
Roman Catholic.
Christian. Christian
Unitarian
Lutheran (English)
Lutheran (German)
Lutheran (Gwedish)
United Presbyterian
Mothodist (German)
Mothodist, South
Holiness Band
Latter Day Saints
Hobrew

Robrew...
Seventh Day Adventist.
Free Methodist...
Salvation Army...
Swedish Methodist...
Swedish Baptist... YOUNG MEN'S CHRISTIAN ASSOCIA-TION.

Within the last year, this organization has occupied part of its new building, situated on Fort street near Second. adjoining the California Bank building. Nearly \$80,000 has already been ex-pended on this beautiful block, which when entirely completed and equipped will cost \$125,000.

A practical work is carried on by this association among the young men of Los Angeles, varied and adopted to the needs of young men in general

A lecture course, by the best talent obtainable, and entertainments of a high order are carried on during the season. The association is assisted in this work by the Ladres' Auxiliary of the association, composed of about 100 ladies, of which Mrs. J. D. Burch is chairman.

100 ladies, of which Mrs. J. D. Hurch is chairman.
Young men coming as strangers to the city are aided in securing boarding places in good families, and as far as possible assisted in securing positions. A monthly average of over fifty visits are made to sick young men, and in several instances young men have been interred by the association in its lot at Evergreen.

A gospel meeting for young men is held on Sunday afternoons at 4 o'clock, attended by about 300 young men.
The reading-room and parlor, open every day from 8:30 a.m. to 10 p.m., are largely attended, and form a pleasant home to strangers and others. Many of the most successful and prominent business men of the city are members of this rapidly-increasing organization, of which Mr. F. A. Seymour, M.D., is president, and Mr. A. P. Chipron is acting general secretary.

Other Christian and benevolent in

mour, M.D., is president, and Mr. A. P. Chipron is acting general secretary.

Other Christian and benevolent institutions are: Woman's Christian Temperance Union, Young Women's Christian Temperance Union, Los Angeles Humane Society for the Prevention of Cruelty to Children and Animals, Los Angeles Orphan Home, Ladies' Benevolent Society, Italian Benevolent Society, Unione e Frattelanza Garibaldina, Order of Good Templars, Sons of Temperance, Ladies' Aid Society, Ladies' Missionary Society, Aron Band of Little Missionaries, Flower Festival Society.

The Flower Festival Society holds every year, in the month of April, a festival lasting a week, at which the display and decorations are entirely of flowers and folinge.

The lady managers realize large sums of money, which are expended in the maintenance of the Woman's Home and the Woman's Exchange. For the

maintenance of the woman's Home and the Woman's Exchange. For the former they have a large, handsome building, with accommodations for 70, where working girls and women can have a respectable home at a moderate price. The latter was established to provide a place for the sale of women's work, to furnish a mart where those women who have to support themselves or eke out a slender income by small articles of manufacture, needlework,

embroidery, preserving, etc., may reach the public. Following are the hospitals of the

Los Angeles County Hospital.
Los Angeles Infirmary, conducted by
the Sisters of Charity.
St. Paul's Hospital.
Southern Pacific Railroad Hospital.
Santa Fé Railroad Hospital.
French Hospital.

MANUFACTURERS.

The Industries of Los Angeles City

Annual Product, \$3,154,593. Statistics compiled by the Board of Trade show that the manufacturing industries of this city turn out an annual product of \$3,154,593. These figures are compiled from only partial returns, and do not comprehend many of the heav-

iest establishments in the city.

According to the most reliable returns there are the following manufacturing establishments in Los An-

Asphaltum works. Bakeries. Beds and bedding makers. Blacksmiths. Book-binderies	
Bakeries	
	1
Rischamiths	
Book-binderies	
Boilermakers	
Boot and shoemakers	1
Boxmakers	
Brass works	
Brick manufacturers	
Cabinet makers	
Cane manufacturers	
Cabinet makers. Cane manufacturers. Carpet-boating works (steam). Carriage and wagon makers.	
Carriage and wagon makers	-
Wood carvers	
Chair manufacturers	
Cider manufacturers	
Cigar manufacturers Coffee and spice mills. Cold storage and ice works.	
Coffee and spice mills	
Desk manufacturers	
Distilleries	
Door and sash factories and pl'ng mills.	
Desk manufacturers. Distilleries. Doon and sash factories and pl'ng mills. Dressmakers. Dyeing and scouring works (steam). Electricians.	1
Electricians	
Electricians. Electric light companies	
Electrical apparatus manufacturers	
Electrotypers	
Engravers Fireworks manufacturers	
Flavoring extract manufacturers	
Figur mills	
Founders and machinists	
Fruit-canning, drying and crystallizing	
Furniture manufacturers	
	ċ
Gas machine manufacturers	Ī
Gilders	
Harness and saddlery works	1
Giove inanufacturers Harness and saddlery works Lee cream manufacturers Iron foundries and works Jeweiers (manufacturing) Lauudries (steam and white labor) Line burgers and dealers	ä
Iron foundries and works	H
Jewelers (manufacturing)	
Laundries (steam and white labor)	7
Little builders and desicio	18
Lithographers	
Mantel manufacturers	
Marble works	
Mill builders	4
Feed mills	-
Wineries	
Oil rofinarias	
Painters (fresco)	١.
Painters (house, sign and ornamental)	
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Paper manufacturers	-
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IN A NUTSHELL.

Statistics About Everything Gener-

The cash on deposit in the banks of the city and county of Los Angeles, July 1, 1889, was \$10,329,063.66.

The total capital stock (paid up) and surplus of the banks of Los Angeles city and county, July 1, 1889, was \$4,724,380.04.

The total available cash of the banks of Los Angeles city and county (money

on hand and in other banks), July 1, 1889, was \$5,280,879.96.

1889, was \$5,290,879.96.

The total assets of Los Angeles city and county banks, July 1, 1889, was \$15,571,798.78.

The total assessed wealth of the State is \$1,111,590,979.

The total assessment of Los Angeles county, after equalization and deduction for Orange county, is \$84,376,319. This does not include railroads, assessed by the State Board of Equalization zation.

The total assessment set off to

Orange county is \$9,270,767.

The rate of assessment for State and county purposes is \$1.50 on the \$100 in the city limits, and \$1.80 in the country.

The rate of city assessment is \$1.10 on the \$100 in

The rate of city assessment is \$1.10 on the \$100.

The total outstanding bonded indebtedness of the county is \$751,520.

No floating debt.

Total number of acres in Los Angeles county assessed, 1,652,928.

The fees of the County Recorder's office for the year were \$23,627.40.

The County Clerk collected fees during the year amounting to \$44,011.12—an increase of 35 per cent. over the business of the year before.

The total disbursements for carrying on the county schools during the past school year were \$380,419.20.

school year were \$380,419.20.

Bonds to the amount of \$219,540.68 were sold during the year for the purpose of erecting and furnishing school buildings outside of the city of Los

Angeles.

The total assessment of the city of Los Angeles, after equalization, is \$46,-

Los Angeles, arter og. 1997-101.
Graded and graveled streets constructed during the year in the city, 55,080 feet; cost, \$133,576.03.
Paved streets, 11,590 feet; cost, \$104,-

637,70. Sidewalks laid, 39,352 feet; cost, \$22,

839.50. Sewers laid, 17,763-feet; cost, \$20,-

458.40.

There are seven parks and a nursery belonging to the city, upon which was expended last year \$21,833.49.

The sum of \$200,000 in bonds was voted by the city last year to furnish new school lots and buildings.

Number of school children in the city, according to Census Marshal's report, 10,786; number enrolled in the public schools, \$128.

During the year 4771 volumes were

public schools, 8128.

During the year 4771 volumes were added to the Public Library, and elegant new quarters in the City Hall have been fitted up.

The total expenditures this year (since April 1st) on the Library amount to \$21,428.46.

The police force of the city numbers 90 men, exclusive of the Chief and Marton. The arrests from January 1st to November 30, 1889, inclusive, numbered 3407.

Los Angeles has 888.88 inhabitants

Los Angeles has 888.88 inhabitants

to each officer.

The city license collections amount to an average of over \$16,000 per

month.

The total revenue to the city from sales of water amount to \$11,991.15; total expenditure, \$10,100.18.

The City Tax Collector reports total collections for the year ending November 30th, \$678,106.04.

Total number of building permits issued from August to November 30th, 194; total cost of improvements, \$759,575.

The total amount invested in build-

The total amount invested in bullings in Los Angeles during 1889 approximates \$4,428.019.

There were 166 fire alarms in 11 months, to December 1st, and the losses aggregated \$81,220.

In the decade from 1880 to 1890 Los

Angeles has increased in population from 11,183 to 80,000.

The taxable wealth of the city has increased during the same period from \$7.627,632 to \$44,871,073.

\$7.627.632 to \$44.871.073.

The total number of transfers of real estate during the year was 18,545, aggregating in amount \$35,309,468.

The Southern Pacific Railroad Company forwarded 34,403,549 pounds of freight from Los Angeles station during the year.

Wells, Fargo & Co. report a freight traffic of 7,150,104 pounds.

There are 1050 telephones in use in the city.

There are 1050 telephones in use in the city.

The Postal Telegraph Company opened an office in this city last year.

The first two barracks of the National Soldiers' Home were completed during the year and the home established in full running order.

Six hundred and eighteen vessels of all kinds arrived at the port of Wilmington during the year.

Domestic tonnage, 441,753; foreign, 47,747; total, 489,500.

The imports of fumber at the port of

Wilmington were 48,924,000 feet; coal, 73,015 tons; merchandise, 29,690 tons; railroad ties (number), 962,550.

The collections of the port of Wilmington for the year were \$58,660.23.

From January 1st to December 1st there was no day when the thermometer fell below 32 degrees Fahrenheit (the freezing point). There were twenty hot days when the mercury climbed above 90 degrees.

The United States Land Office dis-

posed of 161,444 acres of land for \$98,-834.89.

The total internal revenue collections in this city for eleven months amount to \$147,881.

PETROLEUM.

The Production of Southern Cal-lfornia.

Nearly all the petroleum deposits of the southern counties are situated in Los Angeles and Ventura counties, and which occupy an area of 250,000 acres. This important product is rapidly becoming one of the most valuable in Southern California, the yield for 1889 aggregating in value \$1,200,000. Its utilization as fuel for manufacturing purposes has had much to do with solving a vexed question in Southern California.

Southern California.

Following is a report of the petroleum produced in this State during
the past 10 years, nine-tenths of which
is produced in Los Angeles and Ventura counties. The figures represent

gan	U	L	1	8	ï								à								
1879																					568,00
1880																					1,768,00
1881																					4,194,00
1883	,	٠																			5,403,00
1883																					6,000,00
1884						١,									1.						6,000,00
1885																					8,760,00
1886	,								,												10,950,00
1887	,																		4		12,400,00
1883	,										,	,									15,000,00
1889																					18,000,00

1889. 15,000,000
1889 18,600,000
The value of this immense deposit of petroleum to Southern California can hardly be estimated.

As yet the supply is not sufficient for refining purposes and to supply all demands for crude at home and to export. A pipe line to carry petroleum either from the fields of Santa Paula, Ventura county, or Puente, Los Angeles county, to the city of Los Angeles has been much talked of, and some day will doubtless be accomplished. With such cheap transportation the price of petroleum could be reduced to such figures as to encourage the establishment of many manufacturing enterprises here.

The Sespe Company already has an extensive pipe-line system from its wells to the wharf at Santa Paula, whence it is shipped by vessel to the refinery at Oakland.

The production of the several fields now in operation is placed by experts at the following figures:

District.

No. Dairy Production of the several fields.

District.	No.	Daily	Prod-
Sespe	25		800
Newhall	33		253
Tower Caffon (new)	3		120
Montecito	1		40

Wages.
The following rates are obtained in Los

Housekeepers, per month....\$25 00 to \$ 40 00 Girls (house servants), per month....

"Hub" of the Bean-growers, aticoy. Ventura county, is Saticoy, Ventura county, is the "hub" of the bean-growing industry, and claims the blue ribbon for the largest shipments of farm produce made on the Ventura division of the Southern Pacific. There have been shipped out for the 12 months to No-vember 1, 1889:

		Pound	
Beans		3,077,08	35
		1,664,54	

Corn		340,3	50
Cattle	***********	140,00	00
Sheep		80,00	00
	onth of Novem		
Beans		1,049,7	15

Projected Improvements.
Plans are under way by Frank J. Capitan, irchitect, for the following buildings to be

Approximate Portland cement factory, with capacity of 480 barrels output every 24 hours, in close proximity to Los Angeles. In close proximity to Los Angeles. Arrangements are being made for the erection of a distillery, to be built at Los Angeles. J. K. Mollhenny, two-story brick stores and lodging, Marchessault street. S. C. Hubbell, two-story brick stores and lodging, Marchessault street. 5,500 4,800

Grand tetal.....



SESSION SESSIO



TOWNS TO THE STORY

The Cimes Mivror Company
Lines Building
Les Angeles Colle

Fact: Abrot Southern Californian



LOS Angeles National Bank,
U. S. DEPOSITARY.
Capital, \$500,000.
DIRECTORS:
W. G. COCHMAN, PERRY M. GREEN, JOHN BRYSON, SR.,
F. C. HOWES, H. SINSABAUGH,
COL. H. H. MARKHAM, GRORGE H. BONEBRAKE.

The National Bank of California

AT LOS ANGELES,

Northeast Corner Spring and Second Streets.



STATE LOAN AND TRUST CO.

		OF	1.08	ANG	BLE	В.	
CAPITAL,	-	-	-	-	-	-	\$1,000,000.
GEORGE H. 1	BONE	BRAK	E				President
JOHN BRYSO	N, BE	i	*****			}	Vice-Presidents
SAMUEL B. F	IIINT	******	****			**** (Secretary.

MAP OF LOS ANGELES AND ORANGE COUNTIES.



1889 : : 1890.

THE STEADY STEP OF PROGRESS

Our City of Los Angeles, Southern California's Acknowledged Metropolis.

Striking Story of What Has Been Done All Along the Line in a Twelvemonth.

Picturesque and Graphic General View of the Half-dozen Promising Southern Counties.

Prominent Physical Features of San Diego, San Bernardino, Santa Barbara, Ventura and Orange,

AND THE IMPERIAL FIRST COUNTY OF LOS ANGELES

Pasadena, Pomona, Santa Ana, Anaheim and Other Southern Towns-Statistical and Business Review of the Year.

Agriculture and Horticalture-The Vine, the Fig and the Orange-Small Farms and Farmers.

Practical Information About Lands, Prices and Crops-Openings for Settlers, and Their Experiences.

Traffic and Transportation-Rallway and Steamship Lines-Outlook for More-No. of Vessels Arrived at Wilmington During the Year, 618-Banks and Banking: Total Capital and Surplus, \$4,724,380-Assessed Wealth of the County, \$84,376,319—Total Realestate Sales, \$35,309,463—Estimated Value of Buildings Erectedin the City, \$4,428,019-Pictures and Postry.

PROLOGUE.

Upon these sunset shores shall Freedom place Her crown of empire; here shall arise the Cities of the future resplendent with The liber: y which maketh great. The love Of Freedom shall be strong as the rampart Of these eternal hills, whose heads, pillowed Upon the world-old firmament, for aye Defy the carthquake and the thunderbolt, And tell the patient stars the story of Their centuries of life.

Passed hence the sun-

Browned children of the soil, whom Nature

So fondly nursed and fed, that here beneath These skies the later offspring of progressi Time should build his fairest citadels, and Science light his torch, and poots sing, and Modern Raphaels find divinest power, And statesmen shape the laws for hum

O glorious empire of the Golden West! Time itself shall slumber in decay, And the wide and billowy ocean cesse To surge, and the transcendent mountains

Prone on the sunlit valley's breast before Shall perish here the love of Freedom

sons brings us to the time when we are called upon to publish our annual review of Southern California's progress, resources and prospects-the Annual Trade Number of the Los Angeles Times. "In many sections of the United States the issuing of an annual edition - now become so indispensable a feature of aodern journalism — is more or ies: a dull, tiresome and perfunctory ask a wearlsome recapitulation of favored lands of Southern Europe dim, confused outline of distant hills,

oft-recited facts and figures, which vary but little from year to year. Not so. however, in Southern California, this modern fairyland, where Nature has been so lavish, and where our progress is so remarkable that even the recital of a year's material progress, when put on paper, becomes a prose-poem. It is true that, this year, we have not to tell of the wonderfully rapid rise in values and the accumulation of sudden fortunes which characterized the boom period in 1887, but it is better so. The culmination of that glittering daydream has, it is true, left us in some cases sadder, but generally wiser and more solidly prosperous men and women, more than ever convinced of the incomparable natural wealth of this favored section—a wealth which is inevitably destined to place us among the foremost of the most prosperous countries of the world-a wealth which a reaction from undue speculation may temporarily retard, but can no more suppress than a bank of sand can hold back the march of the incoming tide. unvarnished fact, when we assert that there are greater possibilities of wealth in the soil of Southern California than in that of any section of similar size in the United States-or, for that matter, upon the face of the globe. This is not an ex parte statement, for a traveled New York Senator has said that Southern California is a land of the greatest possibilities from the soil that he ever visited, while residents of those

which produce the orange, the olive and the vine, express wonder, when they visit us, at our marvelous re-

It is the special object of this publication to place before those at a distance, who are interested in Southern California, a plain, straightforward and conservative description of these resources and of the progress of a year. Our efforts have once more been specially directed toward a practical exposition of valuable facts. We commence by giving a general review of the coast-taking up the more picturesque features only in this subdivision and then turning immediately to solid facts, embracing statistics of the five counties of Southern California, of their leading cities and towns, and, more in detail of Los Angeles city, the commercial capital, our agricultural, mineral, and commercial wealth, railroad systems and other prominent facts. A valuable feature of this issue is a series of interviews with Southern California home-builders, showing what may be done on "a little land well tilled," in this section.

We might have written three times as much, and yet have left much unsaid regarding the advantages of Southern California. Such a publication as this can only be considered as a guidepost on the high road. Should it be the means of turning the steps of some travelers toward this favored land, our labor will not have been in

PICTURESQUE

SOUTHERN CALIFORNIA.

COMPREHENSIVE DESCRIPTION OF THE CENTRAL REGION.

A Graphic View of the Larger Features of the Land and Its Scenery-The Southernmost Counties.

[The matter under this heading is taken om that sumptuous and elegantly-illus-ated volume, "Picturesque California," published by the J. Dewing Company, San

ORROWING a chapter title of the above-named work, "THE HEART OF SOUTHERN CALI-FORNIA," we quote from it copiously. The county of Los Angeles embraces so large an area and includes such diversity of climate and scenery, so wide a range of products, and so much of the old dreamy life amid the new, that of this lavish beauty the name "Rio to describe it completely and yet con- | de los Tremblores," cisely is extremely difficult. With 90 miles of coast; a range of mountains whose snowy summits rise above glowing orchards and verdant plains in winter, while cool sea breezes temper the summer heat; with numerous beaches and picturesque mountain resorts, and all the variety of a country teeming with beauty and interest, the pen gives way to the camera and brush, and the poet becomes the better historian. The scale is so large that a million mountain acres represent nothing in the estimate of values; the industrial and social development is so rapid that no account of it seems valid by the time the ink is dry.

Entering Southern California by either the San Gorgonio or the Cajon Pass, the traveler experiences the charm of vivid contrast between lands of sun and lands of snow. The monotonous stretches of barren soil, the

the meager, dust-covered vegetation, suddenly give place to a vision of snow-capped and forested mountains through which the highways lead into regions of almost boundless fertility. To the naturalist, however, even the desert seems a garden. Here and there patches of abronia work miracles of beauty, and the bristling cacti cheer his eye with their gay blossoms and awaken his curiosity by their strange armor and singular diversity of form. Glowing mats of Opuntia are varied by spaces of clean sand, on which the hateful "Chug" has scattered its daugerous joints; huge pillars stand covered with ivory hooks, and myriads of rosy pincushions bristle with barbed spines; every form is warlike in its expression and attitude. In contrast with various prostrate kinds, the giant Pitihayas or torch-thistles often grow to a height of 40 feet, and distill from pure sunshine a delicious fruit, highly prized by the Mexicans. The bleached skeletons of these lofty torch-thistles, carved by the sand blast of the desert wind, stand like sentinels among their lowlier fellows. The exquisite natural tace of their desiccated stems was closely imitated by the Indian women, who became skillful lace-makers in the days of the mis-

The approach to Southern California by the Cajon Pass is through straggling forests of Yucca brevifolia; seen by moonlight, their weird forms duplicated and magnified by the shadows cast upon the silvery sand, these forests afford one of the most fantastic sights in Nature. The Franciscan missionaries, who entered the country at San Diego, also found what seemed an insurmountable barrier to their progress in the rank growth of the desert vegetation; but as they advanced into the richly-wooded and fertile valleys of the interior, they were convinced that the cactus-covered mesas had been set to keep out intruders until the messengers of the Lord should come

In the year 1771 Fathers Angel Somera and Benito Cambon reached the Santa Ana River, on their way to plant the mission of San Gabriel Archangel. They were amazed at the luxuriance of the wild oats, which grew taller than their horses, and the immense size of the oak and sycamore trees; and they rejoiced greatly at the profusion of wild grapevines and "Castilian" roses which adorned the casions. In spite which had given to the river previous expedition, induced them continue the journey some 20 miles to the northwest, where they reached the fertile uplands of the San Gabriel. There the Indian villages were most numerous, and there, on the first day of September, 1771, the holy bells were rung, and the image of the Virgin elevated in sight of a lofty mountain peak which they named San Bernardino; and all its dependent valleys were consecrated to civilization. After a few years of busy industry the mission was removed to its present site, eight miles from Los Angeles. Of its numerous buildings only two roofless adobes are standing, and the sheep-herder and his flocks are today the only moving figures in the quiet landscape. It was near this spot that a famous little battle was fought between the Mexicans and the United States troops in 1847.

On the opposite side of the river is Ban

chito, the home of the last of the Mexchito, the home of the last of the Mexican governors, where one may still enjoy the ancient hospitality, and find many traces of the old picturesque ranch life. Los Nietos Valley is famous for its immenseyield of corn and vegetables and for its groves of walnut trees. Ranchito embraces 4000 acres of the tract, but is a mere garden-spot compared with what it was before the "perfidious Yankees" outnumbered the original proprietors. original proprietors. . . .

Never had so lovely a land so hope less a beginning. Yet from a handful of soldiers, trained to no useful labor, of soldiers, trained to no useful labor, with hovels for houses, in a climate so seductive that only northern blood could resist its softening influence, the fathers by their indefatigable zeal and industry successfully replanted the old civilization on these extreme western shores. How the missionaries labored with their own hands in teaching the neophytes the simplest arts, and how they succeeded, is a matter of history. By the Indians the bricks were baked and the stones were hewn which went into the church edifices. The rafters were planed by dragging the logs down the mountain sides until they were reduced to the proper size for supporting the tiled roofs.

The San Fernando Valley is known for its fertility. A tract of 450 acres has lately been planted with orange trees imported from Florida. 90,000 trees imported from Florida. 90,000 acres of wheat and barley covered the floor of the valley in 1887. Seen in the rich green of its young growth, or in the gold of maturity it was a sight to be remembered; and not I ss so were the animated scenes which crowned the harvest. Bee ranches abound in the mountains, and 100,000 sheep feed in the upland pastures. It was here that Gen. Andraas Pico first refined the petroleum which has since become one of the most important sources of one of the most important sources of wealth to this region, a thousand bar-rels being taken daily from the Pico and neighboring cañons. The various gold placers worked at intervals since. 1833 have yielded \$8,000,000 during the last thirty years.

A large portion of the San Francisco ranch, often spoken of as the locale of scenes described in "Ramona," and also as the place where gold was first discovered, lies in Los Angeles county, and Camulos, another notable ranch, is but a short distance from Newhali in Soledad township. This mammoth township, the Savoy of Southern California, covers an area of 1,200,000 acres, and has several centers of population. It is settled principally by health-seekers, because of its dry atmosphere. Grapes and other fruits are taken there by the carload for drying, and grape culture is likely to become its leading industry, though apples and small fruits flourish also. In the western part of this township lies Antelope Valley, where the finest quality of wheat is produced at an altitude of nearly 3000 feet.

Near Lang's Station are found ten thermal springs of varying temperatures, together with mud springs which affords relief from rhoumatism. The proprietor of these springs is the hunter's oracle, having killed the king scenes described in "Ramona," and

The proprietor of these springs is the hunter's oracle, having killed the king of the grizzlies, a formidable beast, whose carcass weighed 2000 pounds, and whose feet and skin were exhibited to the control of the con and whose feet and skin were exhibited at Woodward's Gardens, San Francisco. The Los Angelefios still relate the exploits of Adams, the celebrated bear hunter and collector of wild animals, who made that city the base of his supplies. He had trained "Lady Franklin," one of the most fascinating of grizzles, to serve him as a decoy and also as a pack animal. Her appearance upon the Los Angeles plaza, under a burden of camp equipage, furnished greater entertainment than a bull-fight to the machachos of the old capital. Around Elizabeth Lake, and four neighboring lakelets, there is still excellent hunting, and the whole region is a fresh field for the botanist.

From Antelope Valley to Anaheim is a long step, but in taking it the observer has the advantage of meeting

server has the advantage of meeting many of the strong contrasts which mark this imperial county.

It was a happy idea of some prominent Germans in San Francisco to convert a tract of land near the Santa Ana into small homesteads for their countrymen. Out of this grew the "mother colony" of Southern California, one of the most contented and thriving communities in the State. Its fifty wineries are now manufacturing the product of more than 3,000,000 vines; but inasmuch as only one-third of each holding is devoted to grape culture, other fruits are cultivated, and grain-growing and sheep-raising are not neglected.

Orange, Santa Ana and Tustin contain a greater wealth of products than any other portion of the county. Of

these Tustin is perhaps the most reposeful. In its depths of shade and long avenues of poplar trees it might be taken for a New England village. In March the orange groves are in their highest beauty. Each orchard seems finer than its neighbors, each tree more heavily laden than the last, as one moves along the shining rows from grove to grove. The air is filled with the mingled perfumes of orange and apritot blossoms, of poplar buds and sycamore tassels, of banks of sweet violets in the cottage gardens, and fugitive odors of wild flowers from thousands of untilled acres. And, better still, the Tustinese have, as far as possible, spared every native trees and

tive odors of wild flowers from thousands of untilled acres. And, better still, the Tustinese have, as far as possible, spared every native trees and are the wisest of their generation. These three villages are so closely connected by railroads, street cars and charming drives, that one is apt to regard them as one. They are also united in action for every public improvement and the adornment of their homes. Floriculture received much attention, and is clearly more than a fashion, since so many old favorites are seen among selected novelties from both hemispheres.

Raisin-making has become the chief industry at Orango, there being 10 to 15 square miles of vineyard in the neighborhood, planted almost wholly to the favorite raisin grape, the mustato of Alexandria. To this locality, perhaps more than any other; belongs credit for winning an enviable name for California raisins, léading eastern dealers, long wedded to Spanish brands, having recently given the palm to the product of this place. As in the wine districts of France, Germany and Spain, there is here and there a little spot only, which, from peculiarity and rare combination of climate and soil, comes to be known to the world by its choice vintage, so in California it is becoming apparent that certain products—raisins among them—can reach the highest excellence only in comparatively few and limited areas.

Though California vineyards lack as yet the picturesque peasant life which brightens those of Europe, like the pretty French girls in gay costumes; nevertheless, connected with the ficking and curing and packing is many a seene not altogether prosaic. The bamboo hats of the Chinese pickers show like enormous mushrooms along the fragrant rows: long lines of driving the gragarn trows: long lines of driving the gra

scene not altogether prosaic. The bamboo hats of the Chinese pickers bamboo hats of the Chinese pickers show like enormous mushrooms along the fragrant rows; long lines of drying trays absorb the abundant sunshine, and finally, loaded wagons move slowly along the lanes to the sweating and packing houses, where skillful hands give artistic touches to the most beautiful of crops. Many of the vineyardists prepare for market their own grapes, the wife and children, after due training, packing the bloomful clusters in layers with excellent skill. At Orange there are four large establishments for custom-packing. A single one of these put up and shipped 30,000 boxes of raisins in 1885, 60,000 in 1886 and 97,000 in 1887. The writer, wishing to be believed, hesitates to describe the corn and pumpkin and other vegetable crops in 1837. The writer, wishing to be believed, hesitates to describe the corn and pumpkin and other vegetable crops of this delectable region. Nor can one attempt to give any adequate idea of what the productive capacity may yet prove to be when the great ranches are divided. The rapid increase of population is seen in the numerous new settlements and in the crowded condition of the hotels at Orange, Santa Ana, Tustin and Anaheim. The Hotel Palmyra, at Orange, recently opened, has already made for itself a good name among tourists, from New York especially.

Near by is the Quaker colony of El Modena, with 600 jnhabitants, a fine schoolhouse, a neat church, and restfully-beautiful views of the Santa Ana Mountains and of the valley, reaching to the ocean.

The transition from the active to the passive phases of life is very sudden in Los Angeles county, especially as we near the southern limits. Tustin City is the gateway of the San Joaquin ranch, which contains 48.803 acres, and the Lomas de Santiago 47.516 acres more. The Cajon de Santa Ana ranch belongs to the numerous Yorba families, who still retain many of their old homesteads and habits. Ramona, a fair daughter of the first Spanish proprietor, was the wife of an American known and respected equally by his neighbors of different nationalities as Don Benito Wilson. Mrs. Jackson took the name of "Ramona," the heroine of her story, from this source, and first heard it at the house of a daughter of Ramona Yorba. the passive phases of life is very sud-

In the Santa Ana Mountains are the most extensive apiaries. At the New Orleans Fair of 1884 and other later creams Fair of 1834 and other later-expositions the display of honey from the "Bee King" (Mr. I. S. Pleasants) attracted universal interest, not only for the intrinsic value and fine taste of the display, but for the consummate art by which the "blessed bees" were made to appear as exhibitors.

In this vicinity is the home of Mme.

Modjeska who has found diversion in

Modjeska who has found diversion in managing a stock farm, and renewal of strength in surf-bathing at San Juan-by-the-Sea. A bold rider and a fearless swimmer, she explores the wild casons, and with her husband makes her camps where she can enjoy the scenery of the summits.

"H. H." once foretold the time when the native artists of Southern California would find their life and love in "picturing the casons, the royal oak canopies, the herculean sycamores, the chamelion, yelvety chaparral and the water-quarried gorges with their myriad ferns and flowers." But even "H. H." had never traversed the Santiago Cason, one of the richest in all Southern California in groves and glades, in grape-vine hammocks and bridges, in cataracts and trout pools. In the month of April a carriage trip from Tustin to San Juan Capistrano is a delightful experience, for the land is seen in a state of nature. There is hardly a sign of human ownership unis seen in a state of nature. There is hardly a sign of human ownership un-til the mission buildings are in sight, and the billows of verdure are ex-changed for a view of the peaceful

The San Juan Mission, founded in The San Juan Mission, founded in 1776, was for many years the largest and richest of all in cattle, corn, oil, wine and aguardiente. The main edifice was of stone, with a dome and vaulted roof, surrounded by cloisters still sufficiently well preserved to show the former importance of the mission.

Los Angeles, old and new, dense and straggling, growing out over a hundred hills, presents a shifting and bewilder-ing panorama; for, like a rising tide, it is ever overflowing its boundaries, and is ever overflowing its boundaries, and hotels, cottages, churches, factories, schools and balconied villas spring to view in new places with magical rapidity. It now occupies an area of about 30 square miles, while outside of its present limits there are many embryo towns, villages and seaside resorts linked to it by 15 lines of railroad.

Earlier in the century all the well-to-do citizens lived upon level streets. San Pedro, Alameda and Main streets being the most aristocratic. The less-

San-Pedro, Alameda and Main streets being the most aristocratic. The less-favored retired to the hills, whose narrow paths and zig-zagging stairways represented an ascending scale of poverty. These eyries, half hidden in curtains of scarlet geraniums, with cascades of roses overflowing their walls, were very picturesque, and commanded views, which, in later days, have proved fortunes to their possessors. All have been replaced by modern homes of rich and varied architecture which shows the cosmopolitan character of the city and its politan character of the city and its

The Baker block, the Catholic Cathedral and the Opera-house were the first buildings erected for pub-lic purposes which are worthy dral and the Opera-house were the first buildings erected for public purposes which are worthy to outlast their century. In 1883-4 the Branch State Normal School building rose upon the Beaudry terrace, and in quick succession the Nadeau, Hollenbeck and other fine business blocks were built. Soon the old churches and schoolheuses were replaced by larger and more beautiful edifices. The Times-Mirror Building (Publishing-house), the Fort-street California Bank Building, the Clinton and Phillips blocks, and the Westminster Hotel, are all admirable for their purposes, and indicate a marked improvement in public taste.

their purposes, and indicate a marked improvement in public taste.

There is no more enjoyable way of exploring this city of magnificent distances than by the numerous street-car and cable lines which connect widely-separated districts with its business centers. Nearly every visitor takes the three-mile trip upon the electric railway, and finds pleasant occupation for a day in riding through palm-tree avenues and long arcades of eucalyptus and pepper trees on

unique institution is under the control of the Methodist Episcopal Church, which, casting aside all precedents, takes the most direct road to the attainment of its leading object, the training of missionaries of Christian civilization. It is well endowed and has an able corps of instructors. The colleges of Letters and Music are at West Los Angeles, the Medical College is in the center of the city; the Theological School is at San Fernando; the Agricultural College at Ontario, and the Freeman College of Applied Sciences at Inglewood, near Redondo Beach. St. Vincent's College and other Catholic institutions of a high rank, and the excellent public schools, have been important elements in the recent growth of Los Angeles.

The Eagle Rock Valley, Glendale, the Verdugo Settlement and Canon, the Ostrich Farm, Ivanhoe and Burbank, are unincorporated suburbs which still further enhance the charms of the City of the Angels.

of the City of the Angels. .

The numerous seaside resorts of Los Angeles county are among its chief attractions. Among them Santa Monica is the best known, both as a watering place and an attractive town, not dependent upon birds of passage, or given over to dulluess for half the year. It has fine churches and schools, and though it has no harbor, the rebuilding of a pier where the coast steamers formerly stopped will restore its facilities for ocean transportation. The winters of Santa Monica are by many preferred to the summers: for many proferred to the summers; for the long drives upon the beach are then most exhibitrating, and the roads lead-ing to Santa Fé Springs and other at-tractive places in the county are free from dust.

from dust.

Long Beach is the favorite summer retreat of the Pasadenians, whose tents are giving place to cottages, as the spell of the ocean returns with season after season. This beach is like a continuous level floor for a distance of eight miles, making a most delightful road for driving, while agently-sloping bathing ground, with a breadth of from 3 to 500 feet, lies along its course.

Redondo Beach, also, is connected with Los Angeles by a direct line of railroad, and has the advantage of deep-water frontage, as well as a fine sandy and pebbly beach, and a salt-spring lake or lagoon, the waters of which are denser than those of the

More than 20 miles from the beaches there have been sleeping on the breast of the Pacific two islands which are destined to become of great importance in the future of Southern California. They are a terra incognita to most people, though Catalina has long been a rival of the beaches as a summer resort, and is thought to afford the fluest camping and fishing place on the coast.

cupation for a day in riding through palm-tree avenues and long arcades of eucalyptus and pepper trees on the "bob-tail" car. From Boyle Heights where many charming private residences are found, the orchards, vineyards and hamlets which fill the valley of the Los Angeles River, open like a succession of pictures, and a comprehensive view of the city is obtained.

There are several small but pleasant parks in and around Los Angeles, and picturesque outlying districts are reserved for pleasure grounds on a more extensive scale. Meanwhile, Ellis and Figueroa streets, and other portions of the suburbs, are parks in eff ct, the unfenced private grounds, spacious and exquisitely kept as becomes the Angelenos, being open to orderly visitors. Standing upon the Besudry terrace, or any of the heights which overlook Los Angeles, scanning the network of railways which surround it, and the many fertile and populous valleys tributary to it, knowing that of its 75,000 inhabitants, two-thirds of them represent the wealth, culture and energy of the Atlantic seaboard and the interior States, we may easily believe that here will be developed one of the brightest centers of civilization to be found in the world.

The seat of the University of Southern California is at West Los Angeles, near the Agricultural Park. This

pacity.

and productiveness, were the old or-chards and vineyards of the Wilson estate, seen from the windows of San Marino, the ranch house. This cluster of princely estates, and its nearness to Los Angeles, justified the choice of this tract for the colony's use—4000 acres of wild land, waterered by a tributary of the Los Angeles River. The wise selection was a prophecy of the success since achieved.

Three miles from Pasadena, the Sierra Madre Villa, a favorite resort at all seasons, and a winter residence for invalids, contributed greatly to increase the number of beautiful homes in its romantic neighborhood. For here the mountain range is most picturesquely broken with deep cafions, and its peaks may be counted by the score between "Old Baldy" and the sea. The mountaineer no sooner conquers one summit than he is confronted with another apparently still higher, until standing upon Wilson's Peak, he has reached the rim of the local world. The floor of the Pacific, with its shimmering islands, seems very near; and the rich valley, with its grain fields, pastures, eucalyptus groves, orchards, vineyards, villages and villas, gives a human interest to the scene. This mountain is accessible all summer, and when there is no moon there is often a faming campfire on the summit, lighted as a signal to watchers in the valley. all seasons, and a winter residence for

lighted as a signal to watchers in the valley.

Between Santa Anita and Sunny Slope are extensive orange and lemon orchards. All these fruit farms are reached by the California Central Railway, and by a rapid-transit road from Los Angeles. Monrovia, "the gem of the foothills," is less than four years old, and is now an incorporated city, ... with flowery homes and the usual array of schools, banks, churches, newspaper and other institutions of a newspaper and other institutions of a prosperous and civilized community.

The story of any one of the new settlements is the story of all. They were lighted in their turns like the lamps of a great city, and before the samps of a great city, and before the spectators had ceased to wonder, the pleasant slopes were bright with new homes. . . Each has its own casion and stream. The Big and Little Santa Anita and the Sawpit are wells for all the western group; the San Gabriel River and its tributaries supply a lower section of the valley.

"Old Baldy" or San Antonio Mountain is snow-capped during most of the year, and stands exactly upon the line dividing San Bernardino and Los Angeles counties. Dispensing his lights and shadows and his radiant alpen-glow impartially, he feeds Pomona to repletion with artesian and brook water, and leaves Ontario to gather its water, and leaves Ontario to gather its supplies from his tributaries. The San Antonio cañon leads into the heart of the range, where one finds the best of hunting and fishing and the richest studies of rocks and waterfalls. What Shasta is to the northern counties, this noble mountain, along with its loftier neighbors, is to the south.

The Casitas Sanitarium is pleasantly situated on a curve of the mountains northwest of Pasadena. In the same neighborhood the sons of John Brown of Osawattomie live in a log cabin and guide excursionists through the wild scenery of the Casitas trail.

The seasons of outdoor recreation throughout all this region afford for those who can avail themselves of the opportunity, a most idyllic experience. The accessibility of the numerous re-The accessibility of the numerous re-sorts, both the more popular and the less known, renders it an easy matter for all who can leave behind the cares of business and the heated centers of population, to seek the comfortable and salubrious retreats where the tem-perature is delightful and the air like

and salubrious retreats where the temperature is delightful and the air like nectar.

The Raymond and the railroads have stimulated the growth of Pasadena and made it a city. Beyond the corporate limits are many pleasant suburbs, which are linked to it by five lines of horse-cars, 15 miles of track.

Hourly railroad trains run to Los Angeles, and special theater trains three times a week.

Old San Gabriel, still half Indian and half Spanish, is yet dreaming under its vines and pomegranates; while "the Alhambra," near by, is a wide-awake, modern town.

[A further and detailed mention of

A further and detailed mention of the towns of the San Gabriel Valley will be found in another place.]

SOUTHERNMOST CALIFORNIA.

The "Lay of the Land" Down Towards the Mexican Line.

No other mountain commands such a view as that beheld from the highest peak of the San Bernardino range. Rising suddenly more than two miles above the general level of the plain and valleys around its base, "Old

Grayback?' looks down upon the rarest combination of the old and the new, the rugged and the soft, the wild and the cultivated. From where the antelope looms up like a stilted ghost through the mirage of the sunlit plain, to the great gorge full of dense chap-arral where the grizzly bear dozes away the day, seems but a step; and scarcely another step from the live-oak grove in the valley where the deer gazes upon the settler's cabin, to the almost inaccessible crags from which the mountain sheep survey upwhich the mountain sheep survey un-

to the almost inaccessible crags from which the mountain sheep survey undisturbed the world below.

From the top of this mountain the view is nearly all open, acarcely a ridge or belt of timber cutting off the view of the underlying panorama. Toward the east the great Colorado and Mojave deserts, each larger than the State of Massachusetts, lie gleaming beneath an almost eternal sun. Two little spots of green, one at Indio, the other at Palm Valley, fast brightening amid the broad waste of reddish gray, demonstrate that even these tremendous wastes are not wholly desert, but many of the large tracts of good soil which they contain will yet be reclaimed by water. Yet, barren as they look, these deserts seen from this height have an inexpressible power, which, riveting the eye, holds it long, before it turns to more pleasant scenes. It is the grandeur of power superior to man and his works, like that of the ocean, that makes him feel his littleness as he never felt the fore upon land. For those who know their value these deserts have a special charm and awaken feelings akin to pride and gratitude. They are who know their value these deserts have a special charm and awaken feelings akin to pride and gratitude. They are a far greater blessing than if they had the rich soil and raintails of such States as Illinois. They are the great reservoirs of the pure dry air, that makes the climate which is the peculiar glory of California. The rising of the air under the heat of the sun causes most of the suction that causes the daily sea breeze to search every nook and corner of the land the long, dry season through. Flowing over westward, in a vast upper current, deseending upon the ocean and mingling with the return current as it passes, it produces that dryness of the sea breeze which so distinguishes it from the sea air of the Atlantic Coast. By making the whole upper stratum of air excessively dry, it permits that rapid radiation of heat from the earth, which results in cool nights succeeding the bet sively dry, it permits that rapid radia-tion of heat from the earth, which re-sults in cool nights succeeding the hot-test days, and with the sea breeze, turns the summer of this far southern land into a luxury instead of a terror.

On the south yawns the pass of San On the south yawns the pass of San Gorgonio, nine thousand feet deep, through which the Southern Pacific Railroad, looking like a spider's web dotted with gnats, winds out upon the Colorado Desert. Just across the pass Mt. San Jacinto rises in one mighty sweep almost to a level with our feet, making, it is said, on the desert slope the most rapid rise of any known mountain in North America—ten thousand feet in five miles. Leading away from the rocky head and timbered sides of San Jacinto and extending southward, the high and rugged bered sides of San Jacinto and extending southward, the bigh and rugged mountain chain shuts out the fiery breath of the desert from the inhabitable country west of it. Tumbling toward the coast, in long lines of mountains, foot-bills and table-lands, until lost in the highlands of Mexico, the country presents a rolling confusion of blue, yellow, gray, brown, dark green and light green, arousing little suspicion of the rich valleys and slopes hidden light green, arousing little suspicion or the rich valleys and slopes hidden amongst it all. Yet the settlement of San Jacinto at the mountain's base, Elsinore and Wildomar, nestled beside a sparkling lake, Murietta and Te-mecula, dotting with houses the great brown and yellow plains farther south, all warn the observer against deciding too hastily what those distant moun-tain chains may or may not in-close.

In its appearance no less than in its products is Riverside unique. Per-haps no important point in the State haps no important point in the State has been developed amid conditions apparently so unfavorable, and yet there are few of them that today are more interesting and attractive. To fully realize the change which intelligence and energy have wrought here, one needs to remember that only a very few years ago where now are many thousands of acres of shady orange orchards in the highest state of cultivation, there was only a broad plain of reddish mesa, with neither tree nor shrub to cool the dry expanse. Except for a few months in winter and spring, there was not a particle of verdure to indicate that wealth of fer-tility which the application of water has since developed. Now, for miles in every direction stretch the orchards in every direction stretch the orenards and vineyards, the generous productions of which have made the name and fame of Riverside almost world-wide. Although scarcely more than a dozen years have passed since orange and raisin-growing was here an experiment, the shipments of oranges and lemons already amount to about 225,-

000 boxes a year, and the raisin output to fully a quarter of a million boxes. The handling of this immense crop gives employment to a large number and slopes, golden-hued with rips wildof people, and requires nearly a thou-sand cars to take it to its eastern

warkets.

Yet—Riverside is enfy the pioneer; scores of similar places are rising out of the plains.

Right where the great slope joins the base of the mountain, where five years ago there was scarcely a home, agroup of towns is now rising amid springing orchards of orange, lemon, prune and apricot trees and broad fields of deep-green alfalfa. Redlands and Lugonia, the central figures of the group, with their handsome homes, business blocks, schoolhouses and churches rising amid their thousands of green acres, look down from their proud eminence over the whole great valley of San Bernardino. And besides these fair twin sisters and under the same splendid water system, Gladysta, Eastberne, Mentone, Terracina and Crafton are all following their lead, and the whole is fast becoming one settlement, aiready close upon the heels of Riverside and Arlington in productive capacity.

Away beyond where Riverside and Arlington unite in a solid mass of Arlington unite in a solid mass of green, South Riverside is dotting the slope of the Temescal Mountains, springing from the desert under the water of Temescal Creek, drawn by long tunnels from the earth in which but a short time since it was deemed forever lost. And far over these Temescal hills we can look down upon the great plains by the shining sea where Orange, Santana, and Tustin. Anaheim, Garden Grove and Westminster have risen in luxuriant beauty under the waters of

Ana, and Tustin, Anaheim, Garden Grove and Westminster have risen in luxuriant beauty under the waters of the lower Santa Ana River, which trickles from these snow-banks at our side. All along the base of the mountain chain that bounds the valley of San Bernardino on the north the same scenes are repeated.

The mountain chain upon which we stand-sinks suddenly thousands of feet into the Cajon Pass, some 20 miles to the west, but at once rises again in another range of mighty mountains almost as high, forming the north wall of the San Gabriel Valley. Along the base of this range runs the new line of the Atchison, Topeka and Santa Fé Hailroad, and beside it, at frequent intervals, lie numerous towns, all of the same character, all born of water and iron rails, and shining in baptismal robes of green—lialto, Cucamonga, Etiwanda, Ontario, Claremont and others, scarcely 2 years old.

The line of the Southern Pacific runs only a mile from the Santa Fé line and parallel with it. parallel with it.

Almost in the center of the group below us lies the city of San Bernardino, surrounded by miles of deep green meadow, through which flow a dozen mountain streams, while hundreds of artesian wells sparkle amid the foliage of the dooryards, and gardens and orchards border the ditches that carry the waters above their native, beds.

Probably nowhere else in the world can such extensive and perfect water systems be found for such limited populations as those of Riverside, Redlands and Lugonia, where abundance of water for irrigation is carried to every farm in ditches or cement pipes, and the purest of mountain water for domestic use is conveyed to every home in iron pipes under pressure sufficient in iron pipes under pressure sufficient in iron pipes under pressure sufficient to throw it over the top of the highest house on the highest hill in the settlement. And yet Nature has eclipsed all this at San Bernardino, where all over the city and throughout an area of 15,000 or 18,000 acros around it, artesian water of the purest quality found in abundance less than 200 feet from the surface, and almost every family has its own water-works in the dooryard.

The highest point in San Diego is Mt. San Jacinto, 10,500 feet above sea level.

Forty miles back of San Diego the Cuyamaca range of mountains rises to a height of 6500 feet. This, like the other high chains in the southern part of the county, differs from the moun-tains of San Bernardino in an impor-tant respect. Instead of being elevated masses of rock and shingle and boulder, masses of rock and shingle and boulder, with a few incidental acres of good land scattered among them, they are simply vast elevations of rich, arable land, where rock and boulder are the exception. Hence they may be crossed with a wagon, and are nearly all occupied by farmers, many of the best farms in the country lying at an elevation where one would find no trace of cultivation elsewhere in the southern counties.

counties.

The summit of the Guyamaca range is an easily-climbed pyramid of rocks, nearly three hundred feet high, reach-

an unbroken view may be had.

Below us on the north lie long, rolling slopes, golden-hued with ripe wildogs sopes, golden-hued with ripe wildogs and grass, and scattered over them like a vast orchard are thousands of live-onks. Upon those slopes are farms where the finest of fruits are growing without irrigation, in a region where the rainfall is so great that nothing ever fails except from toe much watering. Lower down are broad plains, with thousands of acres golden with grain or tawny with stubbles, separated by high, boulder-studded hills, deep caffons filled with shade, or broad tablelands where the chaparral is fast vanishing as the tide of settlement advances.

Far out into the sea runs a long promonjtory and almost touching it is the end of a long peninsula reaching up from the south. Within this the light shimmers upon a spacious bay where large ships are riding at anchor, and outgoing and incoming steamers trail their sooty banneirs across the sky. Upon its shores lie San Diego and National City, fast merging into one, and on the peninsula that forms the harbor, another city, Coronado, is growing fast. Just to the north lies False Bay, upon which Pacific Beach and Moreno are springing up in the freshness of youth, and far away to the north Del Mar, Carlsbad and Oceanside stand fronting the sea.

Twenty years ago San Diego was started on two things, bay and climate. Under their influence it has grown to be a fine and wealthy city.

No sketch of Southern California would be complete without a glance at its remarkable development, of which would be complete without a glance at its remarkable development, of which no feature is more striking than the new vegetation that is taking the place of the old. Side by side are the products of two zones, each reaching the highest stages of development, yet none of them natural to the soil. Great vineyards bearing five or six tons to the acre of the most delicate varieties of Southern Europe lie by the side of wheat fields, of which the heads and grain far exceed in size and fullness the best of the famed fields of Minnesota or Dakota. Here the barley gives a return that no northern land can equal, and beside it the orange outdoes its race in the farthest South, and keeps its fruit in perfection when that of other lands has decayed. Scarcely a tree or shrub or plant with which our northern childhood was familiar that does not reach the fullest perfection here, nearly all reaching a size that makes them hard to recognize. Alongside of them grow the feathery palm and banana, the aloe, the india rubber tree and the tall white plumes of the pampas grass; with the nutmeg and camphor tree, and a score of other foreign woods, standing over lawns that shine with grasses unknown elsewhere in the United States. Instead of homely fences there are hedges of cypress, lime, pomegranate, orbor vice or acacia, in the United States. Instead of homely fences there are hedges of cypress, lime, pomegranate, arbor vide or acacia, over which the broad head and drooping arms of the Mexican pepper tree fill up the sunny openings that the stately shaft of the Australian eucalyptus has failed to shade. Here and there are the guava the Japanese persimmon, Japanese plum, the olive, nectarine and lemon, with groves of English walnut and orchards of prunes, figs, apricots, plums; pears, peaches and apples, mendows of alfalfa, gigantic corn, pumpkins and squashes that almost cover the ground, and gardens of vegetables that reach a fabulous size. fabulous size. .

As the present civilization of this farthest West is superior to all that farthest West is superior to all that has preceded it in the great march of empire, so the older civilization was superior to any of that which moved northward from the old Aztec capital into what is now the United States. Even as the climate determines the character of the immigration today, so it seems to have affected the nature of the earlier settlement and brought and keet here a ment and brought and kept here a more intelligent and cultivated class of missionaries and rancheros than those of the other Spanish-American

UP THE COAST.

General Aspects of Ventura and Santa Barbara Counties. Leaving Los Augeles by rail, the traveler, soon after passing Newhall, upon the line of the Southern Pacific. enters a broad and park-like valley, bordered upon one hand by a lofty, serrated range of mountains, whose purpling sides reflect the sunlight in a thousand varying shades, and upon the other by picturesque and beautifully rounded hills, clad at this season by lush grasses and waving grain, and dotted their lower slopes by green orchards, of orange, walnut, olive and other fruits. This great valley has for 25 years been famous for its moist lands

and abundant crops. It has some of the best cultivated farms and orchards in the State. This is the Santa Clara Valley of the south, one of the most charming and fertile sections of Ventura county, and along the entire length of whose bosky course is laid the long, gleaming line of the Southern Pacific Railroad. Nature, especially in the upper part of the valley, holds many solitudes, and the rush of the fron-horse is like the intrusive step of the stranger. What has that dreaming valley, where Nature sleeps, and where solitude for long distances broods over every stream; where silence loiters amid the hills, to do with the life of today? Wrapped in its clear sunshine, breathing but repose and sweetness, shall it not sleep as for ages it has slept beneath bright skies. Inlied by the song of its flowing river? This may not be, for the advent of the iron horse is the sure signal of change. Though among the most fertile sections of Southern California, Ventura county has not been as extensively settled as the other coast

fertile sections of Southern California, Ventura county has not been as extensively settled as the other coast counties, there being but five towns of any considerable size within its limits. The largest of these, San Buenaventura, which is the county seat, has a population of 3000. Its streets approach to the sands of the beach; the ocean fronts it, its blue channel stretching away to the islands of Anacapa and San Nicolas, crested with mountain heights, and standing of Anacapa and San Nicolas, crested with mountain heights, and standing eternal and vigilant sentinels, warding off the rough winds of the outer ocean. Behind the town is the lofty mountain background, whose sierra walls are over 2000 feet in height. Marvelous are their sierra walls are over 2000 feet in height. Marvelous are their transfigurations in the changing lights glowing with the dawn, white and bold and frowning in the noontide glare, wrapped in mellow tints and rosy lights as the afternoon advances, and veiled in effulgent brightness at sunset, which melts into royal purple as night approaches.

Fourteen miles to the southeast is the little town of Hueneme, the lively shipping point of Ventura county. Numerous great tributary ranches furnish vast stores of golden corn and grain, which are gathered into its warehouses for shipment. Oil and wine and honey also find their way to this port, together with all the products of field, garden and farm.

Sixteen miles back from the coast nestles Santa Paula beneath her hills, where the valley smiles with plenty, and sheltered canons, where tropical

and sheltered cañons, where tropical fruits might be grown, run far back into the hills, fringed with trees, and melodious with running streams. Santa Paula is the entrepot of the oil industry of the county.

Saticoy is another town, eight miles east of Ventura, upon the line of railroad, in the midst of the Santa Clara Valley, and Filimore and Sespe also lie upon this line, as does also Bardsdale, an infaut town of three years.

The Santa Clara Valley extends the length of Ventura county from north-east to southwest, and through its ceneast to southwest, and through its center runs the river of the same name, which empties its waters into the sea about five miles southeast of San Buenaventura. Its principal tributaries—the Santa Paula, Piru, Big and Little Sespe—are fine, clear, living streams, furnishing an unfailing supply of water for all that portion of the county. The Ventura River, rising in the Santa Ynez Mountains, flows through the lovely Ojai Valley, and with its numerous tributaries waters an extensive region of country, and with its numerous tributaries waters an extensive region of country, and supplies the city of Ventura. Near to this river's banks is historic Camulos, set round with its orange and olive trees, and pleasant vineyards. It is here that the story of "Ramona" is located, and about the place its romance still lingers. It is the first station as you enter the county from Los Angeles.

six hundred feet above sea level is the beautiful Ojai Valley. "A great amphitheater whose walls are mountains." Multitudinous live oaks grow in its midst and the hills are round about it as they were round about Jerusalem of old. Pure and life-giving and lung-healing is its air, and balmy the breezes that fan it. It is one of the most attractive resorts of the section, dear to the heart of the tourist and enjoyed by those who love Nature in her picturesque moods and where she breathes calm and quiet repose.

Doverlooking it is Mt. Topo-Topo, rising to a height of five or six thousand feet. Upon the lofty plateau of the Conejo is found a succession of sand feet. Upon the lofty plateau of the Conejo is found a succession of wooded valleys, beautiful for situation and guarded by lofty mountains. "The Piru Creek has cut its gorge through bituminous slate, granite, diorite, etc., leaving vertical walls on either side from one to two thousand feet high, reminding one of the Grand Canon of

valley some four or five miles wide, and, like the Siml, rich in arable lands and with ever-varying landscapes. Hill and plain fill the foreground, and the illimitable mountains the grand background. Nature is nowhere insignificant in these regions, but she is serene, imposing and impressive, suggesting always untold possibilities for the future that is to come. The area of arable lands in this fertile county is capable, it is estimated, of supporting a population of 150,000, but within its borders the re is not one-tenth of that number. So from all her solitary places Ventura gives out her invitation to immigrants to come and occupy her moderategives out her invitation to immigrants to come and occupy her moderate-priced lands. Like other sections of Southern California, Ventura county is the land for homes, and where at the touch of labor will spring up prosperous farms, rich harvest fields, and abundant orchards. Its skies are fair; its fertile soil but awaits the plow to yield rich harvests of wine and oil, of fruits and grain, and all the abundance which Nature pours from the lap of Plenty. Plenty.

Santa Barbara County. This famous county embraces some of the most picturesque regions of Southern California. It is infinitely diversified, with high and rugged mountain ranges, which are sometimes snow-capped, beneath which slumber peaceful, sunny valleys, where grow the orange and the palm, the olive and the fig, and all the wide range of semi-tropical and temperate clime fruits. Into the very heart of these alplike ranges run also the wooded cañons, pulsed by running streams which rush on in leaping waterfalls, or through fragrant, tangled ways, and

through fragrant, tangled ways, and green stretches of open field, until they make their way to the sea.

The Santa Yner range is a great wall uplift between the sea slope and the broader pastoral valleys which lie beyond it upon its northern side—valleys with their thousands of acres of wheatfields and large stock ranchos, where bands of sheep find pasturage, and cattle—dot the hillsides and plains, fat with the abundance of clover and succulent grasses. Vast in extent and varying in its productions is this garden county of the coast, where the old and the new life mingles, and the march of progress is seen. Side by side stand often the old adobe, built of sunburnt bricks, the remnant of a vanishing people, and the pretentious mansion of modern architecture, which marks the presence of a new civilization and the progress of westward empire.

of westward empire.

The city of Santa Barbara is the chief town of the county, as well as its capital. Approached from the sea, it presents a charming picture. Lying upon a sunny slope fronting its southern gateway to the Pacific, nestied amid innumerable the Pacific, nestied amid innumerable shade trees; fair with fragrant gardens; guarded on either side by low, rounded hills, with their swaying emeralds of century-old oaks; with a background upon the right of lofty mountains, and upon the left the shining blue of the channel's waters, that stretch away to the mountained isles which touch the horizon's line, it lies cradled in sunshine and beauty. Upon a spur of the foothills, about two miles back from the white sands of the beach, rise the gray walls of the Oid Mission, the most prominent landmark of the city. In its square old towers hang the Mission bells, whose echoes for a hundred years have crept the valley through, and sent their evening chimes sounding across the waters.

In some of the older portions of the

hundred years have crept the valley through, and sent their evening chimes sounding across the waters.

In some of the older portions of the town the ancient adobes still linger, and behind their high, blind walls are beautiful and fragrant gardens, where the orange ripens, and the banana droops its leng boughs, from which may be gathered the pendant buuches of ripened fruit. Here, too, the dark-eyed and rose-red lipped señorita still loiters, and her dusky eyes peep shyly out from beneath her soft retosa. But it is only here and there that the old life holds its own. The new is supreme. The railroad has brought the great world to the very threshold of this once somnolent spot, and the dreams of the past are being broken. Modern life does not dream.

Santa Barbara is a city of schools and churches, and the fame of her hostelries has traversed the continent. She has numerous beautiful and pretentious homes, surrounded by an atmosphere of fragrance.

tentious homes, surrounded by an atmosphere of fragrance. The gardens of the city are the marvel of the coast. The present population is estimated at about 8000.

about 8000.

Six miles from the city of Santa Barbara, at the head of a wild and picturesque cañon, 1400 feet above sea level, are her mineral hot springs. Here are ample accommodations for visitors, in Running along the border of Los Angeles county is the Simi Valley, and between this and the Santa Clara is the Las Posas, a fine her young amid the airy silences, and the ryoung amid the airy silences, and the ryoung amid the airy silences.

where the bear, in a rare mood of sociability, occasionally looks in at the open door, but makes off at the slightest approach to familiarity. The scenery at this point is wild and alplike, and to seaward the perspective is limited only by the limit of vision.

Three miles from Santa Barbara, at the base of the Santa Ynez Moun-

the base of the Santa Ynez Mountains, stretches the beautiful, orchard-crowned and vineyard-clad valley of the Montecito, with its elegant suburban homes, cultivated gardens and fields, wooded copses and v.ne-grown tangles. Here you find bits of primeval wildness, upon the enchanted borders of highest cultivation. Further down the coast is the bosky and fertile valley of the Carpinteria. Within its limits are extensive fruit orchards, where every variety of semitropical and temperate-clime fruits is successfully raised. This valley, like that of the Montecito, is well timbered with a magnificent growth of native oaks and other trees, beneath which are being rapidly planted elegant homes surrounded by blooming gardens and billowy acres of grass and grain.

All along the coast are numerous

All along the coast are numerous side valleys, redolent with fragrance, and in whose sheltered deeps the fig, the olive and all citrus fruits are nourished, and whose rippling brooks, flecked with the eternal sunshine, run to the sea.

From Santa Barbara many delightful trips may be made, than which there is none more enjoyable, perhaps, than the ride to and through Gaviota Pass, 36 miles along the coast to the

Pass, 36 miles along the coast to the westward.

The drive is near the shore, with the blue ocean waters on the left, and the grand uplift of bare and rugged mountains on the right. At their base are the sloping foothills, broken often by beautifully-wooded cafions, and covered at this season by lush and lusty grasses. The road lies over the tablelands, or dips down the high walls of the cafions, only to climb their opposite sides to other table-lands beyond. The Gaviota Pass is a mighty break in the Sierra, through which Nature has riven and tunneled for herself a pathway to the sea. A thousand feet sheer upward to the blue firmament rise the ragged precipices. The space between is so narrow there is only room for the rushing creek and highway. Grim, gray boulders hang far skyward, and away up on the heights may be heard the coyote's bark as he pushes on through those primeval solitudes. Overhead is a narrow line of blue sky, from which drop the golden lances of the sunlight into the rushing, babbling stream and the quiet highway.

golden lances of the sunlight into the rushing, babbling stream and the quiet highway.

Three miles beyond the pass, in a narrow cañon near the little hamlet of Las Cruces, are located hot sulphur springs possessing valuable medicinal qualities, and a few miles beyond is the noted fall of the Najoqui, a spot well calculated to attract the lover of the beautiful in Nature. It is situated in one of the wildest and most attractive of cañons, across the head of which a rocky rampart is thrown ristractive of caions, across the head of which a rocky rampart is thrown rising to the height of 100 or 125 feet. Down this vast wall of rock leaps the wondrous waterfall. From base to summit, at its side, hang fringes of ferns, swaying in the breath of the fall, and watered by its spray. It drops into a clear pool which mirrors the shadows and reflects the sunlight. The hills here form a perfect grotto not wider than the height of the fall. They are covered with alders, cotton woods, sycamores and oaks. The fragrant wild bay tree of California fills the air with its pungent odor. Wild vines clamber over the rocks, and a patch of blue sky is visible overhead. It is—

A sanctuary amid the hills, where A sanctuary amid the fills, where Nature sits a queen, her throne the lofty Heights where trees stand and wave their-leaf-genmed Censers, and the sapphire skies bend low to Catch the rhythmed harmony of waters.

About an hour's drive from this spot, through as pleasant a valley, are the ruins of the Old Mission of the Santa Ynez. The site is an elevated one, and they stand a monument of ioneliness and decay in the cloudless sunshine. The old barracks where the Indians found shelter in the early days of the Fathers have crumbled away till now they are only a moldering pile of fragmentary walls. Broken archways mark the entrance to

miles in width. It is a series of natural parks, walled in by rounded hills, which lift their dome-like forms, sometimes with only a crest of green and luxniant grasses. These hills are none of them rocky; there is no underbrush upon their sides. Nature has made them all ready for the plow and the planter. Water has been found in never-failing supplies, it is claimed, by boring a few feet below the surface.

A few hours' drive further on is the important valley of the Santa Maria, whose broad bosom is in June an undulating sea of golden grains. Central City is located in the very heart of this valley. Long rows of eucalypti have been planted to mark the lines of yet unbuilt streets and avenues. They wonderfully enhance the beauty of the place.

Situated in the widest portion of the Santa Ynez Valley is the town of Lompoc, surrounded by rich, cultivable Lompoc, surrounded by rich, cultivable lands, and lacking only railroad communication for further growth and prosperity. The approach to this pueblo of the plains is striking in its extent of prospect and variety of landscape. The sleeping plains, the undulating hills, all lie steeped in flooding sunshine. Beyond the splendid growth of sycamores whigher the white houses fleck the wide level and mark the work of home-building. You can see for miles away over the level valley to its limits, where on every side it is circled round by hills, behind which rise lofter hills, and range after range of mountains.

which rise fofter fills, and range after range of mountains.

At Lompoc are the ruins of one of the Old Missions, which cover a large extent of territory. The main walls have been used for some time as a stock corral, and where once the "Ave Marias" were said is now heard the lowing of cattle and the tinkle of cow-

bells.

Leading out from the Mission ruins are the remains of what might serve the enthusiastic and over-confident archæologist for a Roman road, but which is nothing more than the depressions made in the deep and yielding soil by the rude, broad-wheeled carretas, used by the padres a century ago, when they worked hundreds of Indians in the construction of the massive adobe mission. massive adobe mission.

Skirting the base of the hill behind the town is an old accquia—a solid, stone-lined ditch filled with pure water drawn from the unfailing San Migue-

Twenty-five miles from Los Alamos, in the elevated region of the majestic San Rafael range of mountains, is the Laguna Zaca, about 2000 or 3000 feet above the sea, and surrounded by elevations towering to the still grander height of 7000 feet. The lake covers height of 7000 feet. The lake covers an area of a hundred acres, and is sup-posed to be very deep, as the water is transparent as crystal. It is the Ko-hinor of these vast solitudes.

Among the picturesque ranchos of this section is the San Julian, stretching out over eleven leagues of territory, rich in its numerous living springs,

rich in its numerous living springs, brightened here and there by rippling streams, along their banks green forest aisles, and everywhere the solitary grandeur of Nature.

Among all the great stock ranchos of Southern California, none is more famous or more fertile than the San Julian. It was once a cavalry rancho of the Mexican government, where the cavalry horses of the republic used to be sent to graze when not in service; and the land was subsequently granted to Gen. José de la Guerra as a recognition of services rendered the country as a soldier. He had his pick, and took the best.

The lovely Channel Islands, off the Barbara, are coast from Santa coast from Santa Barbara romantic points of interest. blue mountain walls rise across the channel like the gate-ways to another world. Those brown and seamed island fronts have watched and seamed island-fronts have watched generations of men come and go. They have seen civilizations appear and vanish. They stood there when man was cradled in the East, and havewaited through all the centuries since then for that march of empire which has since reached their shores. They have grown so old that life has sprung from their volcanic ashes, and on their Broken arelways mark the entrance to the court. Windowless apertures yawn and show emptiness within. The old bells still hang in their crumbling towers, tied by strong strips of rawhide to the massive beams. Here and there they nurse, smiling because that out of that desolation beauty is born, and the red tiles of the roof have fallen, but the walls are strong enough to stand another half century.

**

One of the most delightful valleys in Southern California is that of Los Alamos, which is some 14 miles in length and from one to two aud a half sounding anthem of the ocean deep, poured forever upon their shores.

The beauties and the wonders of California lie all about our doers; yet we cross the seas to look at counyet we cross the seas to look at countries that have fewer charms, and to marvel at scenes that have less of picturesque beauty and no more of sublime grandeur than is to be found beneath the skies of this new Italy of the Occident.

E. A. O.

To the northward and westward of Santa Barbara county lies the great county of San Luis Obispo, not strictly included within the limits of Southern California proper, but rich in fertile lands, substantial productions, water and wood, fine farms and great stock ranchos.



And kindly Nature to her children gave The varied blessings that to each belonged— The gold of Ophir and the wealth of wave nations gathered in that primal land To take their portion at the Master's hand.

There stately Albfon, with her cliffs of white, And dusky Egypt of the jeweled night; Here Farther India of the forest gloom, And blest Arabin of spiced perfume; All, all were gathered—saving only one— Fair California of the southern sun, Whom over delliance in her hours of case.



sensuous murmurings of tropic s And blissful fragrance of a thousand flower. Had made forgetful of the flying hours.

She missed her portion of the flashing geme The gold of Ophir and the diadems That graced the sovereign of Sheba's brow, And, humbly penitent, she cometh now To seek some blessing in the master's face To scothe the fortunes of a fallen race.

"Not gold nor jewels have I left," he said, The while his blessings on her bended head Fell soft and tender as an angel's tear To soothe her sorrow and allay her fear, Be thine the glory of a better part



The gentle virtue of thy balmy breath To cure diseases and to conquer death,

So rising nations shall proclaim thee blessed And pay thee homage in the farthest West."

So runs the legend of our southern land, seeming fable to a modern state; et sober truthfulness to him whose hand Can trace the writing on the wall of fate; For, lo! emblazoned in the farthest West, The Star of Empire on her peaceful breast The maid neglected by the Southern Sca Stands rad ant mistress of a Nation free, And wields, triumphant, in her queenly han The jeweled scopter of a promised land. CHARLES A. GARDNER.

The Winter of Sunland O. tropic land! sun-kissed. Crowned with the amethyst Of the lush clover's bloom, Through the winter's smiling neon; Drowned on your hillsides With the orange tides Of your popples golden; Fanned by the swaying palm, Fanned by the swaying palm,
Nursed in enchanted calm,
Steeped in fragrance sweet
Of rose and orange flower.
Life from each winter shower
Springs and wakes the earth from slumber,
Waking blossoms without number.
Violets peep dowy-oyed,
And the nun-like tilles tise,
While in scaried pride
Stirs the gay poissetta,
Throwing off the wind's light fetter.

Deeper, vaster grow the skies,
And the fields the million spears
Of a standing army show:
Fragrant breath'd soft breezes blow,
And the golden orange spheres,
Like the starry planets shine,
While the vineyards yield their mine;
And the crystal rivers leab. And the crystal rivers leap, Waking from their summer sleep. All their dry sands disappear; The transparent atmosphere, Seems to bring the whole world near.

Hark! we hear the robin's song, And the mocking-bird sings clear From the tall tree's highest bough— Bend your ear and listen now. Golden is, the oriole's breast. Flashing mid the green leaves there, While he sings and takes his rest.

Like a river in the skies, Is the lark's song, as he files Bathed in rippling harmonies.

Golden winged the butterfly, Like a bit of sunshine gleams O'er the crystal of the streams; And with low, incessant hum, Lo, the honey-bees do come— Floating argosles of sweets— Robbers of the honey hid 'Neath each drowsy blossom's lid; And the quali calls soft and low, As through quiet paths we go.

As torough quiet paths we ga.

See the vellow daisies swing,
Hear the breeze-swept bluebells ring,
While the cricket's steadfast call
Like the Angelus does fail,
When the Night her curtain drops
O'er the plains and mountain tops,
And the merry frogs we hear
Mid the reed dahallows near.
Lovers are they of the clime
Where each month is summer time,
And their bluff old chofister
Tunes his flute wherever lie, Tunes his fluto wherever lie, Shaded pools beneath the sky, Where the waters seem to dree In the shallows of a stream.

See the long brown furrows turned, Where the shining plough doth speed, Making ready for the seed. To be nursed by winter's sun. Scarce a week before you see Harbingers of harvestry. In the million biades which push. Through the sell. On tree and bush All the sun's warm lances lie, And ben-sth, in mimicry, See the leaf-like shadows stir, Lying on the water's breast, Or in tangles in the grass, Where the warm south wind doth pass; And we hear the low, swift whirr of the birds' wings as they fly Twixt the blue of sea and sky. Summer dreams in Winter's arms, See the long brown furrows turned,

Summer dreams in Winter's arms, And his check is never o'd; Never turns the sunny gold Of his shining locks to gray; Never fade his winning charms Stalwart, strong, is he alway, Never vexed and petulant, Voicing only sweet content.

Dreaming like a maid he lies, 'Neath the splendor of his skies; On his lips does Summer press Kiss of lingering tenderness; Blooming days are always here, And why press about the bier Of the old year as he dies, Breathing softest harmonies, Winged with Summer-warmth he files To his rest.

ELIZA A. OTIS.

Midwinter" in Southern California
O. land with lavish wealth o'erstrewn,
With tender Nature's every boon
Like beautous bride endowered That sittest by the gleaming sands, And dreamest by Pacific's strands

Afar, like shivering ghosts afraid,
The march of snowy hosts is stayed—
From dizzy heights they gaze.
"Thus far, no further!" and they stand
Obedient to the stern command,
In pallid, hushed amazé.

Neath goldenigroves embowered!

They gaze far down o'er flowery vales, gleaming strands, o'er snowy sails As in the days long past, When old Cabril'o on the breeze Borne from the far-off Southern seas Came like a spectre fast,

Like queens with golden diadems,
Bedecked with pearls and glittering gems

New, cities dot the plains
As by Aladdin's magic power
New wonders spring from hour to hour,
A dazzing endless chain!

Midwinter! Flowers and fruit supreme! The land lies slumbering in a dream No Borean blasts o'ersweep! Beside the murmurous crystal r lls And on the swelling, emerald hills The shepherd herds his sheep.

The golden orange gleams and glows Popular the tender-flushing rose,
And he tender sough of foy, and praise
For gitt-of-sort-Midwinter days
"Midwinter" merged in Spring.
ALBERT F. KERCHEVAL.
Los Angeles, Dec. 25, 1889.

WINTER BY THE SEASIDE,

A December Day on the Beach— Water, 8ky and Air. Go with me to Redondo Beach and together we will ride across the breezy uplands. How delightful is the air that sweeps inland from the sea. The hills are as billowy with green grasses as the shining water with its dancing waves. They rise one upon another like continuous rounded pyramids.
But they do not look time-old,
but young and fresh with
grassy blades and springing wild grassy blades and springing wild flowers. Now we drop down into the emerald cradles that lie between them. The seagull, with white wings spread, comes between us and the sky, and what a wonderful sky it is. In its depths there is such an intensity of color and withal such depths of shining air. The lark springs from its nest, and up and away it sings to heaven. The squirrel peeps from his hole, and his eyes are like round, black beads that a monk might count upon his rosary. The gopher, too, thrusts his little head upward as if he regarded us as intruders and would like to know the wherefore of our coming. But by this time we have climbed the gentle slope of another elevation. To the left of us is the calm sea, and a curving shore, and blue, far-away heights. "It reminds me of the Bay of

To the left of us is the calm sea, and a curving shore, and blue, far-away heights.

"It reminds me of the Bay of Naples," says one who has been abroad, and whose eye has taken in the wondrous curve of shore, the murvelous coloring of the sea and the placidness of the waters.

We ride onward in the soft, warm December sunshine. What are those orange-like blossoms that here and there dot the hills? They are the golden poppies of California. Did you ever see such coloring, such perfection of form, such swaying grace, such a shimmering of light as you now behold as the breezes sweep over them and stir their slender stems?

We are on the summit now of the highest hill. There is a white sand dune between us and the sea, but wild blossoming vines have taken root in it and are attriving to conceal its nallid

highest hill. There is a white sand dune between us and the sea, but wild blossoming vines have taken root in it and are striving to conceal its pallid whiteness. They have covered all its crest and dropped their graceful festoons adown its sides. They have set in blossoming rubies, and the purple of the alfilerea. Nature objects to any barrenness at this season, and so, even upon the gray old seawall the mosses are springing, and bits of weeds have thrust themselves in among the focks.

Following the narrow, trail we have come to a shed where there is hay stored, and where, if we put a stone in front of the wheel, we can leave our carriage in safety. So our horses are taken out and tied, and a handful of the clean, sweet hay is given them. Everything is ready, so on foot we begin the descent of the steep sea wall. Steps have been cut in it in the steepest places, and straggling bushes throw out a bough to our help, and clinging to it, as to a restraining hand, on we press down our precipitous path until we reach the low, sandy beach.

hand, on we press down our precipitous path until we reach the low, sandy beach.

Here, on a narrow, shelving level, a few feet above the lightly lapping waves, is the cabin of some fisherman. It is a low, rude wooden structure with a single door and window. In the back wall are built the narrow bunks where they sleep. It has but one room, and that is papered with illustrated weeklies. There are numerous stories of life told in those pictures. They give these fishermen the only daily glimpse they have of the great world.

But it is a bright December day, and the warmth of the sunlight is flooding earth and sea. It is only the Irishman that we find at home. His two partners are out in their little boat. We see its white sail far over the blue waters like the wing of a bird. It looks motionless and still. This genial fisherman brings some wooden chairs for us, and we all take our seats in front of the little cabin. The song of the sea is perpetual. Today it is like a lullaby. But we see a wet line where, the night before, urged by the winds, it crept up to within a few feet of the little cabin. In front of us is a narrow canal cut

through the sharp rocks, through which the boats come close in upon the sands. It is some of Nature's own en-gineering. The water is very deep be-tween its banks. It is full of interest

gineering. The water is very deep between its banks. It is full of interest to us.

But while we are studying it, and our host is pointing out where lie San Pedro and Long Beach, while we are admiring the sharp promontory, thrust out like a protecting arm beyond us, that white speck has been coming steadily toward us. Now we can see the outline of the boat, which sharming by the breeze and helped onward too, by the fisherman's cars. Five, ten, fifteen minutes, and it has entered the rock-walled canal in front of us. Then how carefully are the oars handled. Straight on it comes, and as its keel touches the sands, outleap the brawny fisherman, and haul it upward upon the pebbly shore. Two hours have they been out, but not less than ten dollars' worth of fish have they in their boat's bottom. There are the white fish, the splendid baracouda, and the broad, flat flounder, besides numerous others. Their sides are like mother of pearl, so rich is their color.

It is a happy, if a lonely, life these fishermen lead upon these Pacific shores. Fish are plenty, and the sunsine is almost perpetual. Los Angeles is ready to take all their catch, and soon a new market will be found just at hand, when the splendid hotel at Redondo is open to the public. Life from that point will run down to them. Such stories as that intelligent Irishman can tell of the soa, will charm the young folks—who drift thither, and many a tourist will traverse that rocky and precipitous pathway to the fisherman's hut, and while the low waves murmur upon the shore, and the winter sun pours down its gold, they will linger out of doors and listen to the tales of the past and watch the changing lights upon the water, the beauty of the hills, and dreaming lie within the arms of our semi-tropic winter.

E. A. O.

Oll of Rose Geranlum.

Oll of Rose Geranium.

semi-tropic winter.

Oil of Rose Geranlum.

(Pomona Progress.)

"Southern California," said Senator Frank Hiscock of New York to a newspaper man once, "is land of the greatest possibilities from the soil that I have ever visited." The truth of the Senator's remark becomes more and more apparent to the people who keep their eyes open and their wits alive as they live in this section. A gentleman who has for years been engaged in the great perfume factory of Solon Palmer, in York, has called our attention to the great profit that can easily be made here in the simple article of oil of rose geranium. The supply of this product is less than half the demand. A pound of oil of rose geranium is worth \$10 in New York and all of the European cities. At one time last season the oil was sought after by the perfume manufacturers at \$15 a pound.

Here in Southern California, the home of the geranium, where the plants grow so luxuriant and so large as to form hedges, is just the very section where a large income can be had from the production of oil of geranium. Last year about \$225,000 worth of this oil was imported from France, Cuba and the Bermudas, where the geranium does not begin to flourish nearly so well as in California. In Europe over \$800,000 worth of the oil is used annually. The matter of producing this oil in Southern California is certainly worth looking into, is it not?

Seedless Raisins.
[Fresno Republican.]
Seedless raisins for culinary purposes Freeno Republican.]

Seedless raisins for culinary purposes must, sooner or later, come into general favor. The presence of seeds in raisins used in puddings, fruit-cakes, mines pies, etc., detracts materially from the pleasure of eating such luxuries, and it is an aggravating task to "stone" raisins before using them for such purposes. Whenever it becomes generally known, therefore, that the same quality of raisin can be secured in a smaller berry without the annoying seeds, such raisins will not be of slow sale. The Sultana grape makes a fair seedless raisin, as also does the white Corinth, but another candidate for public favor—the Thompson seedless—is undoubtedly superior to either. Fresno growers should give a little more attention to seedless raisins, and after they are properly grown and cured, they should then be stemmed and properly separated into about three grades for marketing. Seedless raisins will probably never command such fancy prices as Dehesia clusters or London layers of the muscat variety, but there is no good reason why the seedless variety, with proper marketing, will not soon occupy the field as first quality cooking raisins, and give much better satisfaction than the second-grade fruit with seeds.

Los Aegeles county has 895,557 orange and lemon trees planted in

·Los Aegeles county has 895,557 orange and lemon trees planted in orchards, and there are 1,018,328 trees in nurseries that will be planted in the next two years.

SOLID STATISTICS

Of the Wealth and Progress of Los Angeles.

How the Several Counties of the State Are Assessed.

vincing Totals.

How the Affairs of the City Have Been Administered - State ments from Federal Officers, Etc., Etc.

OMPILATIONS of figures showing the material growth and present status of Los Angeles county and city will be found in the following columns. They tell their own story with an exactness and force which can only be drawn from figures systematically and accurately arranged:

THE STATE.

Values of Property and Rates of Taxation for the Year 1889, As shown by the books of the State Controller:

Total Value of

Cour	ities.	Total v	Property.
Alama	40		71,896,183
	da		
Alpin	e	***	283,835
Amad	or		4,281,969
Butte.			20,730.252
	eras		4.315 461
	L		24,365,995
Contr	n Costa		15, 194, 593
Del N	orte		
Del II	01100		1,925,061
EI Do	rado		3,879,887
Fresh	0,	******	1,892,844
Humo	oldt	***	18,440,872
Inyo			1,548,695
Kern.			11,831,780
			4.022,484
	n		2,527,449
Los A	ngeles		84,376,319
Marin			11,108,657
	esa		1,849,641
Marip	naina		
Mende	ocino		11,944,265
Merce	d		14,146,845
Modoc			2,993,084
Mone.			941,010
Monte	rey		15,536,037
Napa.			14,970,181
Nevad	a		6,305,090
Placer			10,118,060
Piuma	d		2,309,441
	nento		34,460,174
San B	enito		6,332,911
Can D	emito		
San D	ernardino		23,267,955
San D	iego	*** **	31,560,918
San F	rancisco	2	91,700,433
San Jo	naquin		38,802,606
San L	uis Oblspo		15, 139, 117
San M	[ateo		13,888,887
Santa	Barbara		15,888,628
Santa	Clara		53,112,663
Santa	Cruz		11.160,230
Shasta	L		6.594.003
Sierra			1,679,388
Sielrin		*****	1,019,000
Moleny	ou	*****	6,966,007
Solano	D	*****	20, 182, 050
Sonon	na		31,222,671
Stanis	laus	*****	16,281,737
Sutter			10,079,868
Tehan	0a		11,901,255
Trinit	y		1,153,344
Tulare	8		24,343,013
Tuolu	mne		2,716,465
Ventu	ra		8,598,932
Vole		*****	
Vube		******	20,911,325
fluor.		*****	7,046,316
Orang	a	*****	9,270,767
-		-	
To	otal	\$1,1	11,590,979

WEALTH OF THE COUNTY

AS SHOWN BY THE OFFICERS BOOKS.

Digests of the Reports of County Assor, Auditor, Recorder, County Clerk, Superintendent of Schools and Treasurer.

HE assessments for State and county taxation show the following results, the statement including also the values of Orange county, which was segregated after March 1 1889: Country real estate..... \$ 26,290,329

Improvements. City and town lots. Improvements Telegraph and telephone. Irrigating ditches.	3,336,75 44,413,08 16,179,78 54,23 15,000
Total real estate and improvements	90,289,190
Personal property Money	9,141,753 146,756 441,823
Total value of all property\$	100,019,518

Money
Total value of all property \$100,019,518
TELEGRAPH AND BAILROAD LINES, ETC.
Western Union Telegraph Com-
Sunset Telegraph and Tele- phone, 233 miles. 11 500
Azusa Water Development Company

	LOS ANGELES	TIME
	L. A. & P. R. R. Co.— 25½ miles	
	25½ miles	49,250
	Railroad franchise	1,000 11,725
	Personal propertySouthern Pacific R. R. Co.—	11,725
	Southern Pacific R. R. Co	
	Personal property	72,200
3	Land	159,110
1149	Improvements	105,200 9,769
1	Telegraph line	n' 100
	Trans.	346,270
	California Central R. R. Co.	930,210
0	Parsonal Contrat It. It. Co.	3,000
_	Personal property Land. Improvements Talograph line	172,225
	Improvements	172,225 111,370
	Telegraph line	5,115
	Zeregraph internet	291,710
	DETAILS. State, county and municipal bonds. Beehives, 18,871. Brandies, 108,637. Butter, 700. Calves, 4131. Casks and tanks.	- 4 12 17 14
	State, county and municipal	
9	Donds	25
,	Beenives, 15,571	15,065
	Button 700	20,49)
	Calvag 4121	175 87,440 40,335 12,355
	Castes, 4131. Casks and tanks. Cattle (beef), 721. Cattle (stock), 17,100. Coal, tons. 8400.	40 996
1	Cattle (heef) 201	40,333
	Cattle (0001), 731	12,000
	Cathe (Stock), 17,100	197,565 30,900
1	Colta 4000	30,900
	Consigned and	113,340
	Consigned goods	8,190
	Cattle (stock), 17,100 Coal, bons, 8400. Colts, 4699 Consigned goods. Cows, graded, 11,229 Farm utensils.	295,440
.	Firearms	34,720
	Kiyturas aslaans stores	0.27 770
١	Firearms. Fixtures, saloons, stores. Franchises	298,440 53,980 14,750 927,760 61,320
1	Franchises	1 490 405
1	Coats (common) 540	1,482,695
1	Goods wares and morehandise	0 100 0 10
ı	Wheat tong 1704	2,180,240
1	Rarley tone 08/10	2,186,240 34,040 16,985
ı	Corp. tone, 1917	10,980
1	Furniture Goats (common), 540. Goods, wares and merchandise. Wheat, tons, 1704. Barley, tons, 2603. Corn, tous, 1217. Harness, robes and saddles, 12,-043.	8,080
1	Harness, robes and saddles, 12,-043. Hay, tons, 9376. Hays, 5750. Hobey, pounds, 33,200. Horses, thoroughbred, 203. Horses, American, 22,240. Jacks and Jonnies, 74. Jewelry	98,940
1	Hay tone 9376	90,910
ı	Hoga 5750	37,155 19,830
I	Honey pounds 33 900	870
١	Horses thoroughbred 202	65 875
1	Horses American 22 840	85,875 997,985
I	Jacks and Jonnies 74	1,540
1	Jewelry Libraries, law, etc. Lumber, feet, 9,448,000	38,290
Į	Libraries law ato	63,850
1	Lumber feet 9.448.000	00,000
1	Machinery	220,555
1	Mules, 1781	892,445 86,935
1	Oxen. 8	45
1	Pianos 2011	204,785
١	Poultry dozena 14 708	96 180
1	Sewing m chines	36,180 72,205
1	Sheen graded 152 989	912 105
1	Lumber, feet, 9,448,000 Machinery Mules, 1781 Oxen, 3 Pianos, 2011 Poultry, dozens, 14,708 Sewing m chines Sheep, graded, 152,382 Lambs, 5743 Steam vessels and watercraft, 63 Wagons, 12,765.	213,195 4,910 62,590
١	Siegm veccels and wateress to do	69.500
1	Wagons, 12,705.	
١	Watches 5901	05 815
1	Wines, gallons, 485 920	95,815
1	Wood, cords, 1559	71,490 6,375
1	Watches, 5901. Wines, gallons, 485,920. Wood, cords, 1559. Other property.	220,023
1	The property	220,023
1	Total Value of property affected by mortgages. Trust deeds and mortgages.	20 141 759
1	Value of property affected by	40,111,100
	mortgages.	212 059 916
1	Trust deeds and mortgages	0.853.011
1	Acor : con and more ages	9,000,211
1	TOTAL TA GRAIN.	
1	NO seres sown 1880	
1	WheatBarley	50,760 85,290
1	Barley	85,290
I		17,400
1	Hay	17 040

Total acreage in grain Total acreage assessed THE NET ASSESSMENT. From the above assessment the State

Board of Equalization made a reduction of 10 per cent. After making this deduction and equalization by the Board of Supervisors, the County Auditor reports totals as follows:

Value of real estate other than city and town lots Value of city and town lots	\$24,589,935
Total value of real estate. Value of improvements on	864,378
lands o her than city and town lots	3,288,444
city and town lots	14,112,500

ments	17,348,944
Total real estate and im- provements	881,627,197
including money	9,038,378
by State Board of Equali- zation	2,981,511
March malma ad all	

	w, wo a, 13 1 2	
Total value of all prop- erty. Set off to Orange county	\$93,647,046 9,270 767	
Net a sessment Los Angeles county	881,376 319	
for 1990 '90 is as follows:		

for 1880-'90 is as follows:		1.
Within city limits— State fund	Cents of	1 \$100.
Current expense School fund		.25
Courthouse and jail fund.		.10625
Salary fund Interest and sinking fund	1881	.0013
Interest and sinking fund Interest and sinking fund Interest and sinking fund	. 1884	.0036
Interest and sinking fund	1887	.0255
Total in elty		1 50

-	Interest and sinking fund, 1885 Interest and sinking fund, 1887	.02	55
	Total in city	,30	
	Total in country	1,80	
-	SPECIAL SCHOOL TAXES.		
١,	Districts.	Re	ite.
1	Alhambra	. \$0	49
	Aliso		20
1	Anaheim	-	00
ì	Artesia		25
i	Azusa		25
	Azusa City		85
ì	Belvidere		20
	Bloomfield	. 50	20
1			10
d	Clearwater		50
1			20
	Crescenta.	. 2	00
ı	Calabasas. Delhi.		40
ı	Downey		45

	Duarte	
250	El Modena	1
000	Enterprise	
725	Evergreen	
20	Fullerton	1
200	Glendora	
110	Hamman	
200	Harmony	1
160	Hyde Park	-
, OA	Hudson	
270		- 2
210	Ivanhoe	
200	Inglewood.	- 1
000	Lamanda Park	- 1
225	Lancaster	-
370	Lankershim	- 1
15	Laurel	- 1
710	Long BeachLos Virgines.	
	Los Virgines	
	La Liebre.	
	Monrovia	
25	Morning Side	. 1
165	New Hope	1
19)	Newhali	•
75	Ocean View	
40	Old Piner	•
35	Old River	- 4
55	Pacotina	3
65	Palmdale	
00	Palomares	X
40	Pasadena	7
90	Pico	
40	Placentia	. 1
80	Providencia	- (
50	Ranchito	. (
60	Redondo	1 (
20	Rosedale	. 5
95	San Gabriel	:
85	San Pascual	(
10	San Pedro	. 5
40	Santa Ana	-
85	Santa Monica	1
80		5
~	Sulphur Springs	
10	Soledad	1
55	Tejunga	
	Talauta	i
30 70	The Palms	
	University	5
75	Vineland	2
35	Vinedale	. 3
10	West Vernon	-
90	Wilmington	-
50		. 13
55	COMPARISONS.	

An analysis of the tax levy shows that it has been slightly increased over the levy of 1888. That year's levy was \$1.20 in the county and \$1 in the city, thus making an increase of 60 cents in the county and 50 cents in the city. But this does not state the case accurately, because the State levy is increased for 1889. It will be remembered that the recent State levy is 72.2 cents, while the year before it was 72.2 cents, while the year before it was but 50.4 cents, an increase this year of 21.8 cents. So that in reality the county levy is increased only 38 and 28 cents respectively in the county and city for the current year. In 1888 the levy was made upon an assessment of \$103,000,000, while by the action of the Board of Equalization in reducing the assessment 10 per cent. the present levy is made upon an assessment of \$33,47,086, quite a reduction.

BONDED INDEBTEDNESS.

The total amount of bonds outstanding is \$751,500, and cash in the county treasury applicable to the payment of the indebtedness, \$25,049.37. There is

no floating debt.

The bonded indebtedness of the county is arranged as follows:

	Amt.	Amt.	Year	Rate
FUNDED DEBT.	bonds	bonds tstanding.	of turity	of of
Bonds of 1881 Bonds of 1882. Bonds of 1884. Bonds of 1885. Bonds of 1888+ Bonds of 1888+	\$ 46,000 45,000 84,500 437,000 100,000 100,000	84,500 407, c00	1902 1904 1905 1907	6 % 44%
Totals	\$812,000	¥751.500		

COUNTY PROPERTY.

Old Courthouse, estimated value
New Courthouse (now building)...
County Jali
County Hospital
County Farm

AUDITOR'S REPORT.

25,000 35,000

Showing the Financial Condition of the County. Amount of bonds outstanding, \$751,-500; no floating debt; interest paid at maturity; cash on hand to pay bonds, \$25,000; most of the bonds bear 4½ per cent. interest per annum and com-mand a premium of 7 to 10 per cent. Value of real estate and county

buildings, not including bridges, \$695,-

State and county taxes charged to Tax Collector (to be collected), \$1,452. 390.61; for State purposes, \$654,605.45; for county purposes, \$797,785,16,

Levied for redeeming school bonds and paying interest, \$81,678.42.
Of county taxes \$87,000 is for road

Rate of assessment inside cities \$1.50; outside cities, \$1.80 on the \$100; \$tate rate, 722 on the \$100; county rate (within cities), 778 on the \$100; county rate (country), 1.078 on the \$100.

60 20 40	Total number of acres of lessed, 1,652,928.	and as-
40	SUMMARY.	
70 60	Total value of all property mot in- cluding railroad property)	
15	Cluding railroad property)	(0),000,400
30	apportioned by State Board of	
55	Equalization	2,981,511
55 25		03,637,997
10	Set off for Orange county, approx-	
50	Set off for Orange county, approx- imately	9,270,767
20		04 907 930
30	Net assessment of the county	91,001,200
35	Equalization to	84,376,319
30	Mantanana assessed in Los Angeles	
45	Mortgages assessed in Los Angeles	10,031,491
65	SCHOOL RONDS OUTSTANDIN	G.
	Districts-	
20 25	El Monte. Little Lake. The Pass.	. \$ 1,000
90	Little Lake	000
50	The Pass	720
40	Sepuiveda	
30	Pasadena. Tajanta.	12,500
40	Downey	4 000
50	Piacentia.	1.000
05	New Hope	400
25 35	Wilmington	., 1,000
35	New Hope Wilmington San Pedro	
85	Palomares	16,000 85,000
60 60	Palomares San Pascual Highland Park Long Beach Evergreen Compton	85,000
06	Highland Park	16,500
00	Long Beach	6,000
25	Compreed	21,000 1,000
30	Compton.	2,509
08	Pico La Ceñ ida	2,400
25	Ocean View	1,000
25	San Dimes	1,000
15	Alhambra	6,500
20	Ocean View San Dimas Alhambra Sulphur Springs Azusa	500
55	Azusa. Duarte. Harmony	2,000
12	Duarte	., 4,000
50 06	Harmony	4,900
30	Aliso. Enterprise. Eagle Rock.	100
25	Enterprise	1,200
40	Vinedala	1,500
40 40	Vinedale. Bloomfield. Crescenta	1,000
60	Crescenta	2,500
20	Santa Monica	2,500 4,000
-	Rosedale	.: 26.000
VS	Centralia Providencia The Palms.	. 4,000
	Providencia	6,000
er	The Palms	10,000
vy	All Michigan,	
18		
60	Rauchito	10,000
	Glendora	4,000
in	Ilyde Park	
ne	Pacoima	10,000
vy	Belvidere	6,000
6-	Tejunga	2,500
-	Artesia	3,000
18	Clearwater	. 8,000
as	University	4,000
îo	Paimdale	1,000
ty	Fullerton	. 0,000
ts	Vineland	4,000
or.	Monrovia	- 25 UANO
y	Lamanda Park	10,000
of	San Gabriel	10,000 9,000 4,700
10	Ivanhoe	4.700
	West Vernon	12,000
18	Redondo Beach	5,000
at	Azusa Giy, Ivanhoe, West Vernon Redondo Beach Los Feliz Lankershim Lancaster Old River.	5,000 4,700
of.	Lankershim	5,000
-	Laucaster	. 4,000
	Old River	2,000
đ-	La Liabra	1,500
ty	Soledad. La Liebre Calabasas	2,500

Calabisas 2,500
Los Virgines 1,500
Hudson 2,000
Most of these bonds bear 8 per cent, interest and are worth from 10 to 15 per cent. premium in the market.

COUNTY SCHOOLS.

Statement Compiled by the County
Superintendent.
Following are miscellaneous statistics from the County Superintendent's
office, for the school year ending June
30, 1889:
Number grammar schools in county. 111
Number primary schools in county. 308
Number high schools in county. 120
Number primary schools in county. 133
Number new districts organized. 140
Number districts in county. 133
Number new districts organized. 141
Number districts in county. 133
Number new buildings erected. 25
Number male teachers. 333
Number male teachers. 333
Number who are graduates of Callfornia State Normal schools. 144
Number who are graduates of therefore State Normal schools. 78
Number who nold California life diplomas. 64
Number who hold California educational diplomas. 10
Number who hold California educational diplomas. 110
Average number mouths school was maintained in county. 14,779
Total number enrolled. 22,327
SALARIES.
Average salary male teachers, city. 90
Average salary male teachers, city. 90
Average salary male teachers, country. 89
Average salary male teachers, country.

Amount of revenue derived from all Amount received from State apportionment.

Amount received from State apportionment.

Amount received from County apportionment.

Amount received from County apportionment.

Amount received from district taxes.

For teachers' salaries \$324,688 66 For contingent expenses 50,581 05

For Library, books and appa-Total......\$380,419 20 During the school year ending June 30, 1889, books to the amount of \$219, 540.68 were sold for purpose of erecting and furnishing school buildings outside of the city of Los Angeles.

Since July 1, 1889, five districts have voted bonds, aggregating \$14,206, with which new buildings are now being erected.

THE COURTS.

How the Legal Business of Los An-

geles Is Done.
The legal business of Los Angeles county has assumed large proportions during the last few years. It became a necessity during past spring to in-crease the number of Superior Court judges from four to six; and the new city charter provided for the addition of a city justice and two police judges to the courts of the city. Since the organization of Orange county from a part of Los Angeles county all suits pertaining to Orange county have been transferred to it, but the volume of business shows but little diminution. In the Superior Courts the dockets are crowded, and the six judges have their hands full in holding their own and keeping along with the business.

By a carefully-arranged 'system all the civil business in the Superior Courts is handled by four of the departments, while the criminal cases all go to the other two. Were it not for the thorough system followed the six departments would not be sufficient to keep the docket from crowding up with unfinished business.

The different departments dispose of from 400 to 600 cases a year. Until recently there has been no general plan for keeping statistics of the number of cases tried, but each clerk of court now has a register of actions which he keeps, and it will be an easy matter hereafter to obtain definite figures in regard to the business of the organization of Orange county from a

matter hereafter to obtain definite figures in regard to the business of the Superior Courts.

The United States Circuit and District Courts during the past year have disposed of about 50 cases each, while about 75 cases have been filed in each court.

The justice courts transact a large volume of business. Justices Savage and Lockwood have each tried 600 or

role justice courts transact a large volume of business. Justices Savage and Lockwood have each tried 600 or 700 cases during the past year, while Justice Austin has not had so many. The police judges in the number of cases tried are, of course, far ahead of all the other courts.

The following is a list of the different courts in the city, with the names of the judges and court officials:

United States Courts—Hon. Stephen J. Field, Associate Justice of the Supreme Court of the United States; Hon. Lorenzo Sawyer, Circuit Judge; Hon. Erskine M. Ross, District Judge; A. W. Hutton, Esq., United States Attorney; William M. Van Dyke, Esq., Clerk; E. H. Owens, Esq., Clerk District Court; D. R. Risley, Marshal; Charles L. Batchellor, Esq., Standing Master and Examiner in Chancery. United States Commissioners, William M. Van Dyke, Los Angeles; L. C. McKeeby, San Busnaventura; Charles Fernald, Santa Barbara; E. H. Owen, Los Angeles; John Mansfield, Los Angeles; M. L. Ward, San Diego.

Superior Courts—Department No. 1, W. A. Cheney, Judge; W. H. Crane, Clerk; C. J. Fox, Reporter; J. C. Cline, Department No. 2, W. H. Clark, Judge; M. J. Ashmore, Clerk; Henry Henderson, Reporter; H. B. Abila, Department No. 3, W. P. Wade, Judge; C. G. Keyes, Clerk; C. F. Rutan, Reporter; H. S. Chappelear, Deputy Sheriff.

Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 4, Walter Van Department No. 5, Weith Clerk; F. Elowey Clerk; F.

tan, Reporter; H. S. Chappelear, Deputy Sheriff.

Department No. 4, Walter Van Dyke, Judge; F. E. Lowry, Clerk; F. H. McAllister, Reporter; J. C. Wray, Deputy Sheriff.

Department No. 5, J. W. McKinley, Judge; H. S. Knapp, Clerk; F. H. Longley, Reporter; H. C. McClure, Daputy Sheriff.

Department No. 6, Lucien Shaw, Judge; W. L. Warren, Clerk; Leo Longley, Reporter; Peter Reel, Daputy Sheriff.

Justica Courts—Township Court

Sheriff.

Justice Courts—Township Court,
Theodore Savage, Justice; J. H. Mellette, Clerk; H. S. Clement, Constable.
City Justice Court, W. C. Lockwood,
Justice; N. B. Walker, Clerk; Fred C.
Smith, Constable.
City Justice Court, J. M. Austice

Smith, Constable.

City Justice Court, J. M. Austin,
Justice; Joe Chambers, Clerk.
Police Courts—Owens, Judge; Stanton, Judge; Luckenbach, Clerk.
The Supreme Court of California meets in Los Angeles the first Monday in April and the second Monday in October of each year. The following counties comprise the district of Los Angeles: Santa Barbara. Ventura, Kern, Inyo, San Diego, San Bernardino, Los Angeles, Tulare, Fresno and San Luis Oblspo.
Chief Justice, Hon. W. H. Beatty.
Associate Justices: Hons. J. D. Thornton, Charles N. Fox, Van R.

By an act of the Legislature at its twenty-eighth session, the fees for recording were reduced about 4) per c-nt. which took effect in April, and while the number of instruments filed for record this year will compare factorably with those filed in 1888, the f.es received show a decided failing off.

*Estimated.

County Treasurer.

Following is a summary of business office for one year, ending November 30, 1889:

30, 1889:
Cash on hand, December 1, 1888.... 3 209,577 74

Total amount received from all

Paterson, J. R. Sharpstein, T. B. Mc-Farland, J. D. Works.
Officers of the Court: George A. Johnson, Attorney-General; W. P. Johnson, Deputy Attorney-General; C. C. Pomeroy, Reporter; J. D. Spencer, Clerk, B. C. Weir, Deputy Clerk, Los Angeles, Frank T. Meagher, Secretary; Henry C. Finkler, Secretary; E. A. Girvin, Phonographic Reporter; Ezra Washburn, Bailiff; W. I. Russell, Bailiff.

Washburn, Ballili, W. I. Russel, Bailiff. Commissioners: I. S. Belcher, H. S. Foote, Robert Y. Hayne, P. Van Clief, James A. Gibson. D. B. Woolf, Secre-tary to Commissioners.

SHERIFF'S OFFICE.

Collected, Criminal and Civil Business Transacted.

The following report showing amount of work done by Sheriff's office of Los Angeles county during the year 1889 is furnished by Sheriff Aguirre:

6 DE

A 200	088	hqs	6
	Rec	reen	Tre
- 4	Receipts	sbursements	County Treasurer.
January	\$ 2,576 10	8 1,198 50	\$ 1,376 94
February	2,315 37		1 954 23 2 059 28
March	3,081 58		
May	2,476 58		
lune	2,437 88		
July	2 480 44	1,407 60	1.072 83
August	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
sepiember	2 111 (8		
October	2.990 88	1.081 6.	
November	2.562 00	830 76	1.741 30
December	2,700 00	-820 00	1,920 00
Totals	F31 752 26	\$12,055-34	\$19 696 88
Number of convic	ta sent :o	State Pri	on 80

ale.... emale... otal number discharged... Number now in jail

COUNTY CLERK.

Business of the Office for the Years 1888 and 1889.

1		1888	1839
ı	Marriage licenses	1,050	1,201
ı	Criminal cases	252	285
1	Probate cases	343	866
1	Civil cases	2,055	2,359
	RECEIPTS.		
1	1888.		1889,
1	Innuary 2 0 551 5	0 .	WAA DE

	1888.	1889.
January\$	2,551 70	8 3,844 05
February	2,700 15	3,007:15
March	3,011 05	3.812 58
April	2,588 65	3,570 35
May	2,988 85	4 226 59
June	3,831 70	3,574 20
July	2,928 90	3,532 30
August	2,882 35	8,415 75
September	3,125 55	3,702 85
October	3,258 85	3,693 00
November	3.157 30	3 954 30
December	3,288 68	*3,675 00

draw pensions through this office.

The fees of the office were reduced 20 per cent. by the last Legislature,

taking effect in April, 1889.

All fees are paid into the county

The office nets the county about \$1500 monthly. Taking into consideration the reduction by the last Legislature the business of the office has increased about 35 per cent. during the year 1889.

*Estimated.

Recorder's Statement.

The following statement prepared by County Recorder John W. Francis, shows the number of folios received

each month during the year, together with the fees collected therefor, and also a statement of those received from the same period in 1888:

MONTH.		Fees 1888	Foltos. 1888	Fees 1889	Folios. 1889
	January	16 615 55	241 89	84,3 9 91	188 32
ï	February	6,761 20		5 0 9 55	224 24
	hareh	7,647 95		5,569 20	237 56
	April	6 747 25		*5.0.8 90	238 55
	May	6,750 85	271 48	3,933 70	250 49
	June	6,435 65	258 14	3,713 30	193 07
,	July	5,5 8 03	232 62	3,584	187 21
۰	August	5,635 80	239 16	2 973 05	153 02
	September.	5.199 20	206 00	3,218 95	152 12
	October	5,114 55	212:8	2,371 80	166 18
,	November.	4 649 85	184 37	3,248 25	178 07
	December.	5,455 35	211 98	+3,736 60	195 00
		872.545 25	2.9367	40 820 10	2 301 74

-	sources	1,827	031	37
	Total Disbursements for school	\$2,226	609	11
	purposes*			
	For building courthouse, 142,770 42 Interest and sinking			
S	funds			
	10	\$2,068	065	35.
a l,	Balance on hand December 1, 1889	1 58	543	76

*Note.—This item includes salaries. libra-ries, special expenses, buildings, school bonds and coupons.

Comparisons.
A comparison of the assessments of the various counties of Southern Callfornia in 1890 and 1889 is interesting:

	A88088-	A88083-	
	ment 1880.	ment 1889.	
Los Angeles	\$16,097,591	884,376,319	
Kern	6.015.460	11,831,780	
San Bernardino	2,576,973	23,267,955	
San Diego	3.525,253	81,500,918	
San Luis Obiano	4.376.084	15,139,117	
Santa Barbara	5.337.638	15,888,628	
Ventura	3.370.161	8,598,932	
Southern Californ	a has 34	per cent.	
of the area of the S	ate. Th	e assess-	
mont in 1000 man 0 -			

ment in 1880 was 6 per cent. of that of the State—in 1888 it was 20 per cent.— a wonderful growth. Southern Cali-fornia in 1889 has 21 per cent. of the population of the State.

THE CITY.

REPORTS OF MUNICIPAL OFFI-CERS FOR THE YEAR,

Several Departments - Streets Im-proved - Sewers Laid - City Schools, Library, Po-lice, Water.

N spite of the reactionary times, the city of Los Angeles has been experiencing a regular boom in public experiencing a regular boom in public improvements during the year just closed. It is safe to say that in no three years of its previous existence was so much accomplished in this line. The city has thus been "catching up," so to speak, in its public improvements, and overtaking the expansion of the previous phenomenal years of growth. The reports of municipal officers appended show in detail the work accomplished.

CITY ASSESSMENTS.

As Shown by the Books Assessor.	4.
Value of land	31,595,082 00
Value of improvements	8,859,190 00
Value of personal property	3,993,464 00
Money	211.387 00
Franchises	131,095 00
Improvements assessed to non-	
owners of realty	80,855-00
Deductions for mortgages	4,636,010 00
Mortgages assessed	4,636,010 00
Total value of all property	44,871,073 00
Total value after equalization.	46,977,101 00
Total tax	- 516,968 00
Rate of assessment	1 10

CITY ENGINEER.

Report on Streets, Sewers and Other Improvements. In pursuance of division 11, section

58, of article 4 of the new charter, I beg leave to present the following as

beg leave to present the following as my report:

The charter provides that I shall give a statement of the condition, character and cost of all public work and improvements, in course or construction during the year. As it has not been the custom heretofore to make annual reports of work coming under the direction of the Surveyor, I deem it advisable to report on all public works done in the city up to date. This I have done in detail.

I also separate from the report the public work done or under construction during the period that the new charter has been in effect.

GRAVELED STREETS.

GRAVELED STREETS.

or a trifle over 75 miles, of graded and graveled streets within the corporate limits of the city of Los Angeles, and the total sum expended on the same by the city and by private parties is \$1,126,710. There are to date 399,906 lineal feet,

\$1,126,710.

This does not include work accepted since the closing date of this report, such work being reported under the head of "work under contract."

PAVED STREETS.

PAVED STREETS.

The first street pavement laid in the city was laid by the city in front of what was formerly the City II all lot, now the Bryson-Bonebrake block. This pavement has a concrete base with a surface of bituminous lime rock. It was laid during the latter part of 1885.

We have at present 13,500 lineal feet of bituminous lime-rock pavement, concrete base; 11,466 feet loose rock base; 8113 lineal feet of granite block; 1270 lineal feet of asphalt, concrete base; 2121 lineal feet of asphalt, broken rock base, and 3271 lineal feet of porphyry.

The total length of paved street is 74 miles; cost, \$375,787.

BRIDGES.

The number of bridges owned by the city and open for traffic is eleven, eight

of which span the Los Angeles River, one the Arroyo Seco and two the Arroyo de los Posas.

The total length of all the bridges, approaches included, is 4175 feet. The total sum expended on them is \$192,-261. This amount includes the cost of material and erection, together with the cost of removing and reërecting the Ninth-street (formerly First-street) bridge, and the cost of enlarging and raising the Macy-street bridge across the Arroyo de los Posas.

The bridges in detail (the City Engineer's table is more exhaustive than the one here given) are as follows:

NAME.	Length, fe	Width re	Cost
	feet	road,	
Buena Vista	300	20	\$5.2 000
Downey avenue	318	40	57,640
Kuhrts street	800	28	15 850
Aliso street	500	20	8,000
First street	300	40	67,4:0
Seventh street	300	20	
Seventh street-moving			8,000
Ninth street	300	20	18,000
Ninth street-moving			5,973
Daly street and Arroyo Seco	100	18	2,500
Macy street	330		
Los Posas-raising	204	26	1,075
Los Posas	70	30	743

LEVEES.

The city has built 2376 feet of levee north of Kuhrts street on the east line of the official bed of the Los Angeles It cost \$6.50 per lineal foot, or

a total of \$15,432.

A fraction less than 2455 feet of levee has been built south of Aliso street, at a total cost of \$15,957. One-half this cost was paid by the city and one-half by private parties.

The above is all on the east side of the river, and was built during 1887. It has stood two winters, but there has been no severe flood since the work was completed.

The levee is in poor condition between Buena Vista street and Downey avenue and between Downey avenue and kuhrts street, on the east side of the river. This is now being strengthened by the erection of wings, which will add very materially to the strength of the levee, and if placed close enough together there would be little danger of a washout.

SEWERS.

SEWERS.

We have, to date, 110,000 lineal feet, or nearly twenty-one miles of sewers in the city.

Of that there are: Of cement—6174 (set 22-inch; 8317 16-inch; 5391 14 inch; 1977 12-inch; 12.233 10-inch; 19,326 8-

4977 12-inch; 12,233 10-inch; 10,326 8-inch; 2556 6-inch.
Of vitrified pipe—234 feet of 18-inch; 2831 15-inch; 7848 12-inch; 7904 10-inch; 15,384 8-inch; 9912 6-inch.
Wood—410 feet of 12x12 inches; 415
2x2 inches.
Constructed—999 feet of brick, egg-shaped, 16x24 inches; 3515 feet of 2x3 feet; 2215 feet of 18x24 inches; 650 feet of 3x5 feet, flat bottomed; 1590 feet of 2x3 feet, plank covered.
The California Southern Railroad Company has built a levee on the west side of the official bed of the river from Downey avenus to a point near the south city line. The levee is in a dangerous condition at many points north of First street. The company also encroaches upon the bed of the river some 50 feet at a point detween Downey avenus and Kuhrts street.

STORM DRAINS.

There are 21,941 lineal feet, or a trifle over four miles, of storm drains in the city.

city.

Of that amount there are:
Cement pipe—9170 feet of 30-inch;
4539 of 22-inch; 2109 of 18-inch; 890 of
16-inch; 680 of 12-inch.
Vitrilied pipe—862 feet of 18-inch;
235 feet of 14-inch; 90 feet of 10-inch.
Brick conduft—120 feet of 3x5 feet.
Iron rectangular—75 feet of 12x24

Concrete and wood-1556 feet of 6x3

Control and flumes—710 feet of 3x5 feet.

Wood-closed flumes—710 feet of 3x5 feet; 841 feet of 4x4 feet.

The total cost of the above, as nearly as could be obtained, is \$26,105, inclusive of the zanjas used as storm drains.

drains.

The following map shows the location of the Zanja Madre and other zanjas used as storm drains, and the storm drains (except one of 30-inch pipe, 500 or 600 feet long, at Westlake Park):

ZANJAS.

There are 15 zanjas, some of them each divided into several sections. The total length of all is 17 miles; cost

There are in the city 70 miles of cement and asphalt walks and 42 miles of granite and cement curbing, as fol-

lows:
Curb—cement, 33 miles; cost, \$59,722;
granite, 9 miles; cost, \$44,262.
Walk—cement, 67 miles; cost, \$350,000; asphalt, 3 miles; cost, \$19,000.
As most of the work was done under

1,754 19 2,763 66 2,311 45

Bellevue, Buena Vista to South Philadelphia, 10-inch, 1364 feet. New Main, Alameda to Elmyra, 12-inch, 2363 feet... New Main, Elmyra to Wilhardt, 10-inch, 2301 feet...

Total length, 15,565 feet, cost. \$16,720 60 To which add \$700, as noted be-

All the above were constructed under the Vrooman Act. The cost includes materials, construction and incidental expenses, such as engineering, inspecting, etc.

BRIDGES.

and opened to the public: Across the

	8	
	private contract, the cost is onlapproximated.	yclosely
	and accepted since March 21, 1889; By the city:	
	Alabama, State to Second	\$3,109 11 1,243 12 5,970 05
	Adams, Main to Figueroa Brooklyn, Figueroa to Swift Castelar, Walters to Alpine Court, Beaudry avenue to Beau-	790 52 1,607 12
	Court, Beaudry avenue to Beaudry street Collado, First to Western avenue Daly, Mawkins to Schiefflin	6,081 86 7,224 37 436 93
,	Daly, Hawkins to Schiefflin Eighth, Main to Alameda Eleventh, Los Angeles to San Pedro	3,731 11
	Pedro. Flower, Pico to Twelfth. Hope, Fourth to Fifth. Hoff, Water to Walnut. Hofe, Pacheco to Washington. Lucas avenue, Fourth to Diamond	1,203 77 2,961 83 1,660 76
	Hope, Pacheco to Washington Lucas avenue, Fourth to Diamond Laurel, Main to Grand	999 00 7,229 83 2,346 00
	Hope, Pacheco to Washington Luosa wenne, Fourth to Diamond Laurel, Main to Grand Macy, River to Bridge street Maple avenue, Seventh to Eighth Myrtle avenue, Seventh to Eighth Night Hope to Grand aventh	2,979 47 895 10 1,121 71
	Ninth, Hope to Grand avenue Ottawa, Pearl to Georgia Bell Jeminary, Lucas to Lafayetta Patton, Temple to Courte Sotello, San Fernando/o Main	1,167 19 2,803 27
		2,316 53 999 48 7,123 95
	Seventh, Alameda to the river Twelfth, Main to San Pedro Walnut, Kuhrts to Hoff Waters, Temple to Court Water, Downey avenue to Arroyo	5,309 40 8,209 75 2,777 85
	Waters, Temple to Court Water, Downey avenue to Arroyo Seco	2,620 00
	Ellis avenue, Figueroa to Tober-	4,710 27 3,735 00
	York, Main to Figueroa	3,084 00 120,756 02
1	Or nearly nine miles, of who	ich 3730 by pri-
	vate contract, at a cost of \$71 the other work was done un Vrooman Act.	
€	With bituminous limerock:	, ,
	Franklin, Fort to Spring, concrete base	2,721 53 52,746 90 7,341 83
	base. Fort. Temple to Sixth. Firth, Main to Hill. Fifth, Hill to Olive. Sonora, Main to New Hilgh Third, Main to Hill Fourth, Main to Hill Fourth, Main to Hill.	1,857 44
	Fourth, Main to Hill. Becond, Spring to Mott alley, north half, concrete base	11,225 83 10,182 43
-	Total (8658 feet)\$	1,000 00
	Broken rock base, when no wise specified. With porphyry:	t other-
	Arcadia, Marn to Los Angeles\$ Fort, Sixth to Seventh Upper Main, Marchessault to Col-	1,280 35 4,334 36 12,325 29
	Total (2270 feet) 8	17 940 00
	Grand total (11,931 feet) \$10 Total length of paving accepthe city since March 21, 1889	06,338 39 oted by
	feet, costing \$106,338.39. SIDEWALK AND CURB.	, 15,641
	Laid since March 21, 1889; Granite curb, 2371 feet, probable cost	1,233 90
	Asphalt walk, 530 feet, probable	9,091 00
	Cement walk, 9395 feet, probable	635 00
	Total, 39,352 ft., probable cost.	22,839 50 get_the
	exact cost of sidewalks, as t nearly all laid by private contra The following work has be	hav are
	since March 21, 1889:	in force,
	No. 6-1, piped from Aliso s First, 1866 feet, with 30-inch	treet to
	pipe, \$2917.92. Zanja Madre, extended from	First to
	Zanja No. 4, in Second stre feet of brick conduit 4 feet in di and 555 feet, 4.5 feet in diam	ameter.
	\$4.09 per lineal foot, \$5034.79. \$7952.71.	Total,
	At the junction of Main, Spr	ing and
	Ninth streets, 235 feet of 14-in rified pipe, 90 feet of 10-inch and 75 feet rectangular iron of \$1154.	to
	Downey avenue, east of the 862 feet of 18 inch vitrified patern drain; cost about \$800.	ipe for Total,
	\$1954. Besides, smaller drains, pr	nt in in
	various localities by the Stree intendent.	- bonne
	"The following have been con and accepted:	structed
	Upper Main, Alpine to Alameda, 592 feet, 8-inch pipe Orange, Kip to Farragut, 8-inch,	\$ 542 75

-	
8	
	1.1
private contract, the cost is on approximated.	lyclosely
STREETS GRADED	
and accepted since March 21, 1889	:
Alabama, State to Second	\$3,109 11
Alabama, State to Second Ann, Main to eastern terminus Adams, Main to Figueroa	\$3,109 11 1,243 12 5,970 05
Brooklyn, Figueroa to Swift Castelar, Walters to Alpine	790 52 1,607 12
Court, Beaudry avenue to Beau-	
Court, Beaudry avenue to Beau- dry street. Collado, First to Western avenue Daly, Mawkins to Schiefflin. Eignth, Main to Alameda. Eleventh, Los Angeles to San	6,081 86 7,224 37
Daly, Hawkins to Schiefflin	430 93
Eleventh, Los Angeles to San	
Pedro. Flower, Pico to Twelfth. Hope, Fourth to Fifth. Hoff, Water to Walnut. Hope, Pacheco to Washington. Lucas avenue, Fourth to Diamond	3,801 00 1,203 77
Hope, Fourth to Fifth	2,961 83
Hope, Pacheco to Washington	999 00
Lucas avenue, Fourth to Diamond	7,229 83 2,346 00 2,979 47
Macy, River to Bridge street	2,979 47 895 10
Myrtle avenue, Seventh to Eighth	1,121 71
Hope, Pacneco to Washington Lucas avenue, Fourth to Diamond Laurel, Main to Grand Macy, River to Bridge street Maple avenue, Seventh to Eighth' Myrtle avenue, Seventh to Eighth' Ninth, Hope to Grand avenue Ottawa, Pearl to Georgia Bell denvinger, Lucas to Lafavetta	506 69 1,167 19
Beminary, Lucas to Lafayette	2,803 27 2,316 53
Patton, Temple to Court Sotello, San Fernando/to Main	999 48
Seventh. Alameda to the river	7,123 95 5,309 40
Walnut, Kubrts to Hoff	5,309 40 8,209 75 2,777 85
Twelfth, Main to San Pedro Walnut, Kuhrts to Hoff Waters, Temple to Court Water, Downey avenue to Arroyo Seco.	
Park View avenue Seventh to	2,630 00
Ward. Bliis avenue, Figueroa to Tober-	4,710 27
York, Main to Figueroa	3,735 00 3,084 00
Total (46,196 feet)	120,756 02
Total (46,196 feet)	by pri-
VALE CONTINCE, AL & COSE OF PI	TTO. ALII
the other work was done un Vrooman Act.	nder the
STREET PAVING.	
With bituminous limerock: Franklin, Fort to Spring, concrete	
Port, Temple to Sixth	2,721 53 52,746 90 7,341 83
	7,341 83
Fifth, Hill to Olive	1,857 44 1,322 41
Third, Main to Hill	11,225 83 10,182 43
Becond, Spring to Mott alley, north half, concrete base	
Mortin man, concrete base	1,000 00
Total (8658 feet)\$	88,398 39
Broken rock base, when no wise specified.	t Diller-
With porphyry:	1 000 01
Arcadia, Main to Los Angeles \$ Fort, Sixth to Seventh Upper Main, Marchessault to College.	4,334 36
Upper Main, Marchessault to Col- lege.	12,325-29
Total (3270 feet)\$	
_	
Grand total (11,931 feet)\$1 Total length of paving accepthe city—since March 21, 1889	pted by
the city since March 21, 1889	, 15,641
feet, costing \$106,338.39. SIDEWALK AND CURB.	
Laid since March 21, 1889;	., .,
Granite curb, 2371 feet, probable	1,233 90
Cement curb, 27,656 feet, probable	9,697 60
Asphalt walk, 530 feet, probable	635 00
Cement walk, 9395 feet, probable	
cost	11,274 00
Total, 39,353 ft., probable cost.	22,839 50
It has been impossible to exact cost of sidewalks, as	they are
nearly all laid by private contr. The following work has be	act.
since the new charter has been	in force.
Bince March 21, 1889:	

Rosas, Bellevue to the north, 8-

Rosas, Bellevue to the north, 8inch, 867 feet.

North Philadelphia, Bellevue to
Alpire, 8-46h, 1336 feet.
South Philadelphia, Bellevue avenue southerly, 8-inch, 633 feet.
Walters, Buena Vista to Yale, 8inch, 828 feet.
Bernard, Buena Vista to Yale, 8inch, 740 feet.

Ann, Weyse to Zain, 8-inch, 580
feet.

feet. Buena Vista, Savoy to Solano, 10-inch, 852 feet. Buena Vista, Bernard to Savoy, 12-inch, 1463 feet.

Castelar, Belleva inch, 1305 feet

Bellevue to Alpine, 8-

699 09

1,166 75

986 20 1,209 99

740 08

919 43 663 66

PAVING.

GRADING AND GRAVELING.

New High street is being paved from Franklin to Temple with bituminous lime rock (concrete base), 533 feet.

SEWERS.
There are being laid 13,878 feet of wers, under ordinance No. 165, in the College Hill district.

STORM DRAINS.

Twenty-two hundred feet of 30-inch cement pipe is being laid in Kuhrts street for the purpose of carrying the storm water from the vicinity of Kuhrts and Walnut streets to the

ZANJAS. Zanja No. 3 is being piped with 30inch cement pipe from Second street 900 feet southerly.

LEVEES.

Seven levee wings are being built along the east side of the Los Angeles River, between Kunrts street and Buena Vista street, at a cost of \$172 each. Since completed.

STREET SUPERINTENDENT. Report in Detail of the Year's Im-

The City Superintendent of Streets

reports as follows: In accordance w ticle 13, of the city charter, I here-with present my annual report from the commencement of my term of office, viz., March 22, 1889, to being a report of the number of feet of graded and graveled streets con-structed, with cost of same; number of feet of streets paved, together with cost of same; also the number of feet of sewers laid, and cost. I also include the total number of feet graded and graveled, also paved streets, and the

expenses, such as engineering, inspecting, etc:
The material used was vitrified, salf-glazed pipe. The manholes and flush tanks are constructed of brick and iron. The head of each of the laterals is provided with a 150-gallon flush tank. The cost of flush tanks and manholes is increased above.
In addition the city has built 242 feet of 10-inch vitrified sewer-pipe sewer on Sonora street, and 461 feet of 8-inch vitrified sewer on Aliso street, at a cost of about \$700.

BRIDGES. feet. Seventh—Total number of feet of sewers now in use in the city, 87,070.50 feet. There is also in course of construction 13,876 feet of sewers that will be finished soon. The following have been completed

-Appended find tabulated statement of each street graded or paved and w. E. Morford, Street Superintendent.

STREETS IMPROVED FROM MARCH 21

river:

Downey avenue—Iron and steel, Pratt truss and deek bridge in three spans of 100 feet each; iron approaches, the north one 97 and the south one 345.50 feet in length; roadway 40 feet wide, and sidewalks 28 feet wide on each side. Cost, \$57,640.

First street—Similar to the above, except in length of approaches; eastern approach 91 feet; western 597.22 in length. Cost, \$67,400.

Over the Arroyo de Los Posas, Allso street—King post truss bridge, 70 feet long; cost, \$743. Ten feet in width was afterward added by the Los Angeles Cable Company, and at its expense.

Macy street—Raised and enlarged; cost, \$1073.

Besides these the old covered bridge was turned over to the city by the TO DECEMBER 1, 1859,
Area. Impro
Main to Los Angeles
Temple to 8 xts
Main to Hill
Main to Hill
Hill to Olivo
Bixth to Swenth Besides these the old covered bridge was turned over to the city by the county July 15, 1859, without cost. The same has since been raised at the east end to meet the grade of the newly-graded street; cost, \$275.

Total expenditures on bridge work since March 21, 1889, \$127,133.

Work under way:

EXTENT AND COST OF IMPROVEMENT 6 214.97 4.123.80 1,001.87 1,001.25 330.38 603.23 330.50 744.20 334.97 1,0 1.37 2,483.59 1.280 35 47.77 52.746 90 81.00 7 341 86 60.00 10.182 43 90.00 1.857 44 60 00 4.334 30 80 00 1.629 97 60.00 1.322 41 37.37 1.00 90 00.00 11.225 83 60.00 12 325 15 63.83 cond (N%). Sonora Second (S%)... Total paved an

AUBILIO	W CREAT COM	0.010 00 00.00	
Brooklyn	495,00	790 12 60 . 0	ı
Collade	1 832 58	7,224 37 60.00	L
Court	1.577.00	6,871 86 60,00	ı
Castelar	724.31	1 6 7 12 80.00	П
Daly	676,50	436 92 60 00	ı
Daly	800,00	1,600 00 76.00	Н
Lleventh	1,810.00	3.8.4 00 6 .00	ŀ
			ı
Righth	6,051.41	13, 131 11 80.00	1
Ellis avenue	2 490,00	3 735 00 56 00	ı
Estrella avenue	1.380:00	8 174 06 50,00	ľ
Flower	678,00	1.238 57 80.00	ı
Hope	645 37	2,961 83 80.00	L
Hill	630.00	1,726 20 80 00	ı
	540.00	999 00 80, 00	ŀ
Hone	840.00	1 660 76 80.00	ı
Hoff	780 00		Ŀ
Heliman		2 340 00 60.00	Г
Lucas avenue	1,706.60	7,229 83 60.00	L
Laurel	1,380.00	2,346 00 60.00	ı
Lecouvreur	300,00	840 00 60.00	ı
Macy	1,422.80	2,979 47 60.00	ı
Maple	742,60	895 10 60.00	ı
Myrtle	787.90		ŀ
Ninth	338.70	506 69 60 00	ı
Ottawa	802.40	1.167 19 50.00	ı
Patton	905.41	2.316 52 59.01	ı
Seventh	3,292.00	7 123 95 80 00	١
Seminary	573,00	2 8 3 87 50 00	ı
Santee	595, 20	1.368 96 60 00	ł
Sand	516 00	975 24 60 .00	ı
Sotello	745,00	999 48 40, 00	ı
Silver	1,292,40	4.378 26 60.00	ı
Twelfth	2,209.59	5.506 48 60.00	ı
Tnird	430.00	1.290 00 60:00	Į.
Waters	992.80	2,777 85 50.00	۱
Water	1.191:00	2.621 00 60 00	ı
York	2,570.00	3,084 0 60.00	I
Heimont	768.00	2 688 00 60, 00	I
Park View avenue	1,176.50	4.710-27 80.00	I
First	1.470.00	3,822 04 82,50	1
Socond	1.380.00	9 : 69 01 62 30	1
Second	1.515.30	3, 88 0 60.00	I
Waters	1,010. 30	3,305 56 50,00	1

Total both paved and graded

number of feet of sewers laid and in use in the city.

I will here state that upon taking possession of my office I found the same in a perfect chaotic state, and was compelled to organize as fast as I became familiar with the duties.

First—Number of feet of graded and graveled streets constructed this year, 55,080.78; cost of same, \$133,576.03.
Second—Number of feet of, paved streets, 11,590; cost of same, \$20,453.70; making a total number of feet paved, graded and graveled, 66,770.50; cost of same, \$20,458.40.

Third—Number of feet of sewers laid, 17,763.50; cost of same, \$20,458.40.
Fourth—Total number of feet of graded and graveled streets now in use in the city, 25,926.61.

Sixth—Total number of poth graded and paved streets in the city, 282,294.89 fect.

Seventh—Total number of feet of Severs laid. Total number of feet of graded and graveled streets now in the city, 282,294.89 fect.

Seventh—Total number of feet of Severs laid. Total number of feet of graded and graveled streets now in the city, 282,294.89 fect.

Seventh—Total number of feet of Severs laid. Total number of feet of graded and graveled streets now in the city, 282,294.89 fect.

Seventh—Total number of feet of Severs laid. Total number of feet of graded and graveled streets in the city, 282,294.89 fect.

Seventh—Total number of feet of Severs laid. Total number laid.

STREETS.	ength	ize	anhole	lush tanks.	otal cost
Atiso	461.10	8	1		*388 00 454 50
Bellevue	1,364 50	10	4	·i	1,754 1956
Buena Vista Castelar	2.315.30 1.304.75	10& 12	2		2 963 23 1.166 57
Castelar N. Philadelphia	1,185,15 1,145 60	8	232	111	129994
New Main	4,563.50 642.30		15	ï	6.316 79
Rosas	867 00 632,60	8	1 2	1	986 2014 740 0814
Sono a	242.00 350,00	10	1 2 3 3		*321 90 *432 00
Upper Main Walters	823 4	8	3		54 ? 75 919 43
Total	17.763 59		-	_	\$20,458 40 ₄ .

*City work. Estimated cost.

POLICE.

Report of the Chief of the City Po-

lice Department for 11 Months.

Los Angeles enjoys the benefit of a most efficient police force. Details are given from a report presented by the Chief to the City Council early in Docember.

The report shows that the police force consists of 90 men, exclusive of the Chief and matron, and the total number of arrests from January 1st to November 30th, inclusive, was 3407, the highest number in any one month being 585, in February, and the lowest, 188, in July. Of the 3407 persons arrested, 2971 were convicted, 384 were dismissed, and 52 were bound over to appear before the Superior Court.

The detective branch of the department also shows up well, 590 of the arrests having been made by that arm of the service. Besides, stolen property to the amount of \$6397.75 was recovered, as follows: January, \$784.50; February, \$846; March, \$327.75; April, \$542; May, \$478; June, \$237; July, \$149; August, \$736; September, \$896; October, \$1161; November, \$240.

\$896; October, \$1161; November, \$240. The total amount of delinquent licenses collected by the department was \$1773.65, as follows: January, \$197.15; February, \$302.50; March, \$234.50; April, \$355.50; May, \$294; June, \$251.50; July, \$77.50; August, \$32; September, \$325; October, \$4. The striking decrease in the collections during the latter months is explained by the fact that when the new Police Commission came into office under the new charter saloons were compelled to pay up their licenses promptly on the lirst of each month, the penalty for failure to do so being the forfeiture of license. Besides this an additional license inspector was appointed last July, which had the effect of relieving the department from a greater portion of this work.

of this work.

During the year \$15,028.95 was deposited at the police station as bail money, and \$1654.65 was paid in as fines after commitments had been issued.

ines after commitments had been issued.

The total number of days' work done by the chain gang amounted to 3261 days, equivalent, at \$1 a day, to \$3261. The total number of meals furnished prisoners in the City Prison was 23,567, at a cost of \$2945.87, from which it will be seen that the work of the chain gang paid a profit to the city, even after feeding all the prisoners.

The amount of miscellaneous work performed by the force was very great, among other things 481 warrants and 1583 subpenas being served, besides which 935 jurors were summoned. In addition to this, 234 loose horses and 13 head of stock were picked up and returned to their owners, and 104 lost children were found and restored to their parents.

The patrol wagon earned all that it cost, and a good deal more, 1408 persons having been hauled to the station.

cost, and a good deal more, 1408 per-sons having been hauled to the station, to do which it was necessary to travel

to do which it was necessary to travel 1224 miles.

At the station during the 11 months 296 lodgers were accommodated, and 256 persons were booked for medical treatment. Twenty-one insane people were temporarily cared for, and 24 sick were sent home, an exhibit that shows that the Police Surgeon has earned his salary, and emphasizes the great necessity for a receiving hospital.

The following comparative statement, embodied in the report, which explains itself, will be found of interest, as showing how the Los Angeles

department compares with that of

CITIES.	Population	Area in acres	Ne. policemen	No. of acres to each officer	No. inhabitants to each officer
New York	1,750,000	26 580	3278	8.10	533.86
	1,101,00				606.97
Chicago	4:0,008	23,680	1145	20.6×	698.62
Brooklyn	757.00	16,947	9:48	18,26	815.7
St. Louis	440,000				792,80
Boston	425,0 0				587.98
Baltimore	400 000				537.68
Ban Francisco	350,0 0		465		864 80
Cincinnati	825,000		414	37.10	785.03
Los Angeles	80,0:0	18,596	90	206,62	888,888

In this connection it may be well to state that the discipline of the force was never better than at the present time, nor the city in better condition from a police standpoint.

PARKS.

Report of the Board of Park Com-missioners.

The Park Commissioners report that

they assumed control of the parks of this city on their organization, March 23, 1889, and at that time found the Plaza Park and Sixth-street Park open to the public, and considerable prog-ress made in preparing the 50-acre park in East Los Angeles for use as such, and but a commencement made in Westlake Park, several thousand trees set out in Elysian Park, and nothing done with Prospect Park. Since that time the following work has been done:

SIXTH-STREET PARK.

This park, being 600x330 feet, was found admirably kept and in good condition, and a favorite resort for the public. The principal improvements since made have been the setting out of trees and preparing for grass the surrounding sidewalks. The expense of this work and caring for the park has been \$1112.26.

PLAZA PARK.

The Plaza Park, being a circle of 210 feet in diameter, was found beau-tifully arranged and requiring no ad-ditional improvements. It has been so kept at a cost of \$381.55.

EAST LOS ANGELES PARK.
The 50-acre park in East Los Angeles was found to have had considerable preliminary work done therein, and the improvements since made consist of grading and graveling the drives and walks and the intervening ground, setting out trees, shrubs and flowers, and preparing lawns ready for the grass. Drives graded, 4100 feet, 36 feet wide; of which 1,900 feet have been graveled; paths graded, 1000 feet, 100 feet wide.

In this park is the propagating house for all the parks, the cost of which is not included in the amount herein stated as the expense of the park. It amounts to \$3,694.91.

PROSPECT PARK. preliminary work done therein, and

PROSPECT PARK.

A beautifully-located park in Brook lyn Heights on which nothing has been previously done, and containing two and a half acres and having a small brick-cemented reservoir in its highest

elevation.

The ground work of this park has been completed, and consists of the grading and graveling of the walks, the placing of the water pipes, the setting out of necessary trees, shrubs and flowers and the starting of the lawns. Cost of labor and material, \$1,560.20.

ting out of necessary trees, shrubs and flowers and the starting of the lawns. Cost of labor and material, \$1,560.20.

WESTLAKE PARK.

This consists of 35 acres, and is surrounded by Seventh street, Park View avenue, Ward and Alvarado streets.

The commissioners found this park commenced, but in such a condition as to require a large expenditure for grading and banking up the shores of the lake, the building of rock-work for tool houses and embankments, the building of bulkhead and the setting in of the necessary waste pipe to drain the lake.

Almost the entire landscaping surrounding the lake, which has some 3000 feet of shore line, and lying between the interior driveway and the lake, is completed and planted out with trees, shrubs, flowers and vines of rare varieties, and a portion of the grass lawn growing. The water pipes are laid and completed inside of the interior driveway has been graded and temporarily curbed and partially graveled. The s'dewalks along Park View avenue have been planted with grevillea and pepper trees, and the ground is being prepared on the park side of Alvarado street.

In consequence of the improvement of this park, the city and property-owners have nearly completed the grading and graveling of the streets surrounding the park, which has greatly added

to its general appearance. Amount expended for labor and material, \$9627.92. A considerable sum has been donated by private parties and expended on this park of which the commission has no record.

ELYSIAN PARK.

This park, comprising over 450 acres of hills and valleys, and the park par excellence of the future, was found much in the state that Nature left it, there being about 35,000 trees—eucalptus, pepper, pine and cypress—set out and growing therein, and that comprised the extent of improvements so far made.

comprised the extent of improvements so far made.
Since that time there have been set out about 50,000 trees of different varieties, including eucalyptus of 27 varieties; ive oak, pine of several varieties, pepper, Monterey cypress—covering an area of nearly 100 acres. These trees have been taken care of, and there has been roughly graded about one-half mile of roadways, to allow water to be hauled to the trees.

Surveys have been made in this park to a limited extent, but a topographical survey should be made so that the park can be intelligently laid out and trees planted in accordance therewith. The cost of labor and materials for this park has been \$3906.30.

CITY HALL PARK.

This is a piece of ground 47x165 feet adjoining the City Hall on Fort street, on which nothing had previously been on which nothing had previously been done. It has lately been graded and drives and walks laid out, it being necessary to fill in the rear of the lot about two feet. The two shadiest corners have been filled with leaf-mold in order to set out ferns therein. This park is now ready for setting out trees, shrubbery, etc., so far as the ground is concerned. The drives and walks, however, should be paved to make the work effective. Cost of labor and material, \$334.75.

NURSERY.

The nursery is in the 50-acre park, and comprises a hot-house 15x50 feet, a lath house 30x50 feet, and 18 sashes for hot beds.

There have been two men employed There have been two men employed in propagating trees and plants for the several parks and there have been produced 500 boxes of border plants, 10,000 trees and shrubs, 500 palms, and many thousands of other plants and flowers. Total cost for eight months, \$934.05.

RESUME OF EXPENDITURE	q.
Sixth-street Park	1,112 26
Plaza Park	381 55
East Side Park	3,694 91
Prospect Park	1,560 20
Westlake Park	9,627 92
Elysian Park	2,906 30
City Hall Park	364.75
Nursery	964 05
General expenses	

CITY SCHOOLS.

Report of SuperIntendent Friesner for the School Year.

W. M. Friesner, Superintendent of the Public Schools of Los Angeles, presents his annual report to Board of Education, of which the following is a synopsis:

At the close of the school year, June 30, 1889, the condition of the schools, in every respect, differs but little from

that of the previous years.

The teachers labored faithfully, and performed their allotted work as well as possible under the adverse condi-tions of short hours and cramped ac-commodations.

that mere and better work can be done

that mere and better work can be done in nine months per year than in ten. The same work can be done more easily, too, in the shorter time, on the same principle that it is better and wiser to work six days out of seven. In discussing the selection of teachers he deprecates the many false motives which come in to urge the election of applicants to positions, and he holds that it is better "to harden the heart" to everything except the one question, "Is the applicant a good teacher?"

In anticipation of inquiries, he pre-

neart" to everything except the one question, "Is the applicant a good teacher?"

In anticipation of inquiries, he presents the following information:
Salaries of principals, from \$95 to \$150 per school month; assistants in High School, \$115; other teachers, \$80 per month the first year; after that, \$80, \$85 or \$90, according to ability. Length of school year, nine months, from October 1st to the last of June.
Twenty-flyet of fifty teachers required annually to fill vacancies and supply new schools. The supply of stricty first-class teachers is not always equal to the demand.
Holders of primary certificates may teach in the first five or primary grades; holders of grammar-grade certificates in the next three or High School grades. Two years' successful experience, or a Normal School graduate is required to teach in the first grade. One year's successful teaching is required for all other grades.
All certificates are issued by the County Board of Examiners.
In conclusion, Prof. Friesner pays a pleasant compliment to A. E. Baker, who took charge of the schools during October, November and December, 1888, during the absence of the Superintendent in consequence of sickness, and he also thanks all persons in anyway connected with the schools who have contributed to their success.

CCCCANO NO NO NO NO

hool during ic schools t.	of children between 5 and 17 years of	who have attended public schools during year of children between 5 and 17 years of age	60 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	of white children between 5 and 17 years of age.	CENSUS MARSUAL'S REPORT.
11238821 112488 112488 11248	88	1,522	3,202	3,175	1880.
818 ² 1.98 8388888	-518	2,098	3,62	3,579	1881.
1 616 2 234 33 68 418 41 29 29 30 29	601	1,819	1,184	4,085	1888
1.907 2.975	502	2,495	1,446	4,275	1883.
2183 215 2183 25 2183 25	611	2,976	5,198 2,360	5,070	1894.
148 148 148 148 148 148 148 148 148 148	769	3,417	5,584 2,576	5,544	1885.
1.41s 4.680 1.41s 1.41s	747	3,877	6.050 2,731	5,990	1886.
24 5 1545 5445 145 158	108	4,874	3,492	7.384	1887.
1.858 1.858 1.858 1.858 1.858	1,050	5,109	10.000 3,372	10,360	1888.
21 22 22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	1,529	7,101	10,789 5,061	10,50	1880.

THE LIBRARY.

Report of the Librarian, Miss T. L.

Miss Tessa L. Kelso made the fol-lowing report to the Trustees of the

Public Library December 3d:

Public Library December 3d:

I herewith respectfully submit the annual report of the Los Angeles Public Library, which covers a period of eight months, dating from April 1st to December 1, 1889:
The income of the library is derived from a "tax levy on all taxable property in the city, not to exceed 5 cents on each \$100 of the value of all real and personal property.

and from book-borrowers' dues, at the rate of \$1 per quarter.
Following is a statement of the receipts and expenditures for the period named:

\$18,308.05, of which sum it was conditioned that at least \$10,000 was to be expended for the purchase of books.

The figures showing the usefulness and history of the library are necessarily very incomplete, since three months of the eight were spent in the old quarters, where it was impossible to keep correct records of circulation or attendance, under the system then in use.

in use.

Upon removal into the present quarters in the new City Hall the library was closed for a period of two months, during which time the books were cleaned, repaired, counted, classified, numbered, book plates inserted, placed in positiou, shelf-catalogue begun.

begun.

On Monday, the 2d of September, the new library was opened to the public, completely and elaborately fitted with new furnishings in its mechanical make-up.

The book account is as follows:

Number of volumes in the Library September 2, 1883. Number of volumes added to Library to December 1, 1889. 6,356 4,771 11, 127

Number of volumes in Library De-

 Reading-rooms
 Sept. Oct. Nov. Totals.

 Reading-rooms
 3,418
 3,570
 4 651
 11,639

 Home
 1,416
 2,217
 2,610
 6,303

Water Overseer's Report. The report of the Water Overseer

RECEIPTS.

Balance on hand April 1, 1889... \$ 3,594 62
Balance from tax levy of 1883-8... 288 40
(Transferred April 1, 1889.)
Received on account of apportionment for fiscal year 1883-90... 17,020 18
Dues and fines ... 519 26

The report of the Water Overseer shows that there are 15 zanjas owned and controlled by the city, aggregating some 75 miles in length, of which about 1881-90... 17,020 18
25 miles are piped, said pipes varying in size from 4-foot brick conduits to mostly used for carrying two heads of water. The total revenue from sales EXPENDITURES.

Books and periodicals. \$3,540 89
Library expenses. \$2,233 60
Salaries. \$2,632 08
Balance in hands of City Treasurer. \$13,021 29

Total. \$21,428 40
The amount apportioned by the City
Council for the fiscal year of 1889-790 was

Total specified by the City
Council for the fiscal year of 1889-790 was

mostly used for carrying two heads of water, etc., during the year was \$11,991.15, divided as follows: Sales of water for irrigating purposes, \$1,083.50; pipe lines for domestic use, \$655; boats on reservoir No. 4, \$20; fishing permits, \$144; cash, \$88.65. The total revenue from sales

to water. The total revenue from sales
\$11,991.15, divided as follows: Sales of water for irrigating purposes, \$655; boats on reservoir No. 4, \$20; fishing permits, \$144; cash, \$88.65. The total revenue from sales

to water for irrigating purposes, \$10,083.50; pipe lines for domestic use, \$655; boats on reservoir No. 4, \$20; fishing permits, \$144; cash, \$88.65. The total revenue from sales

zanjas during the year was \$10,100.18, but much of this work was for a permanent character, and the system was greatly improved by it and its earning capacity largely increased. The total expense of the Nichols ditch was \$1,598.50, from which there was no revenue, it being kept up for the benefit of the Westlake Park.

Superintendent of Buildings. The report of the Superintendent of Buildings shows that since the 1st of August last, at which date he entered on the discharge of his duties, up to November 30, 1889, 194 permits were issued, of which 20 were for the reissued, of which 20 were for the removal of old building. The cost of the improvements was \$759,575, and fees collected for issuing permits amounted to \$386.50, which has been turned into the city treasury. The following is a summury for the four months: Total number of building permits issued, 194; total cost of improvements, \$759,575; highest cost of any one building, \$150,000; lowest, \$75; any erage, \$3915.38; brick buildings, 210 number, \$530,957; number of frame buildings and repairs to same, 103 in number, \$182,795; highest-priced dwelling, \$11,000; number of cottages costing \$1000 or less, 53.

ing. \$11,000; number of cottages costing \$1000 or less, 53.

This department was the latest to come into operation under the new charter, but it has already demonstrated its utility, and promises to become indispensable in the administration of city affairs.

City Attorney's Report. report of the City Attorney shows that there were pending in the Superior Courts when the present incumbent came into office six cases against the city, and that 19 new suits have been instituted during the year, together with an abstract giving the character of each suit, and giving the character of each suit, and its status before the courts at the present time. Besides this, 1857 cases were prosecuted in the Police Courts, of which 1618 were convicted and 219 dismissed and the defendants discharged. The total number of days of imprisonment for the above convictions was 6228; fines and costs imposed and collected to March 21, 1889, in City Justices? Courts, for violation of the and collected to March 21, 1889, in City Justices? Courts, for violation of the city ordinances, \$1311; fines and costs imposed and collected since March 21, 1889, for all offenses in the Police Court, \$7203.30; total, \$8514.30.

City Clerk's Report. The report of the City Clerk shows that the number of licenses issued and for what amount, during the year end-ing November 30, 1889, as follows:

MONTH.	Number	Amount is-		Total col-	1	Total uncollected	
1888 December	2,853	\$19,226	00	\$18,877	25	8 848	75
January February	2,741 2 731	18,479	00	16,581	15		60
March	2.60:	16,662	54	16.138 16.064 15.650	06		50
June July	2,635 2,528 -2,559	16,766	00 50 00		Ot	1,395 677	50
August September.	2,554	16 737	00	16,075			50
November	2 455 2,472	16 141	61. 51	15,549	0	540	00

Chief of the Fire Department. The report of the Chief of the fire department shows that the fire protection system consists of 80 men, seven steam fire engines, eight hose carts, one Hayes hook and ladder ex-tension truck, the Richmond fire alarm system, 12 telephones for fire alarm system, 12 telephones for fire service, 6000 feet of hose and 29 horses, Since January 1, 1889, there have been 166 fire alarms, as follows: By the Richmond fire alarm system, 102; by telephone, 50; still alarms, 14. The total fire loss for 11 months was \$81,-220; the large single fire was the tobacco store of William Liebes & Co., at No. 213 North Los Angeles street, on the 16th of April, when the damage amounted to \$10,000.

City Tax Collector.

The report of the City Tax Collector gives the collections of his office from December 1, 1888, to November 30, 1889, as follows: Total collections for taxes, \$483,714.04; licenses, \$191,779.50; deeds, \$57; dog tax, \$448; advertising making a grand total for the 12 months of \$678,106.04.

Sealer of Weights and Measures. The report of the Sealer of Weights and Measures shows collections of \$561.20 as fees from October 1 to November 30, he having entered on the discharge of the duties of his office on the first-named date. This money has been deposited with the City Treasurer, as is shown by receipts on file POPULATION AND WEALTH.

Striking Figures and Comparisons from Reports. The growth of the population of Los Angeles during the past 40 years is marvelous. Here are the figures since

80,000

than 80,000.

The county vote at the Presidential election was 30,336. Calculating this in the same manner, we find the population of the county to be 182,016. We may expect the census of 1890 to give Los Angeles city 100,000 population, and the county over 200,000.

Los Angeles is now far ahead of any other county in the State except San Francisco, in point of valuation of property. Here are the figures for the eight wealthiest counties:

orgin weareniest countries.	
San Francisco	291,700,443
Los Angeles	84,376,319
Alameda	71,896,183
Santa Clara	53,112,663
San Joaquin	38,802,606
Sacramento	34,469,174
San Diego	31,560,918
Sonoma	
MIL 4 - 0 7 4 -	

The assessment of Los Angeles city for the present year. after equalization, amounts to \$46,997,101. The bonded indebtedness is \$667,000, and the tax levy \$1.10 on the \$100. The assessment compares with previous years as follows:

J. C. C. L. D. C.		44 10.1	10	-
Years.	-			Values.
1881-'2			 \$ 7	4,627,632
1882-'3			 1	,308,447
1883-'4			 12	3,235 058
1884 .5			 14	1,721,215
1985-'6			 16	432 436
1886-77			 18	451,525
1887-'8				803,924
1888-'9			 39	479,172
1889-90.	A			977,101
			 	,

REALTY AND BUILDINGS.

REVIEW OF THE YEAR'S TRANS-ACTIONS--COMPARISONS.

Total Sales of the Year--Statistics Furnished by Architects and the Superintendent of Bulldings.

EAL estate transactions for the year 1889 show a grand aggregate of over \$35,000,000.

These figures are necessarily approximate, as the table is closed December 20th, in order to insure its publication in this number. While the While the aggregate of transfers for 1889 is less than 1887 and 1888, it still be-tokens a healthful activity, and for a county of 150,000 population, would be regarded in most States as phenomenal. The late lamented "boom"-which was nothing more nor less than a speculative craze in real estate-found its climax in July, 1887, in which month the transfers amounted to \$12,071,057! It could not continue longer in this high-pressure principle, and it is well for the country that it did not. Prices had been run up in many cases beyond intrinsic values, and there was less buying for legitimate investment than for speculation. When the reaction came, those who had been carried away by the furor saw the necessity of getting back to solid-business principles. Then began a system of "hedging" that has not been equaled in the history of the country. So skilfully was it accomplished that our real business interests were in no our real business interests were in no manner crippled. There were very few disastrous failures, even among the most extensive and most reckless real estate operators. Many individuals who had purchased at high prices, depending on quick turns to make payments, lost considerably, but there was not a failure of a single bank or business firm in the city of Los Angeles. One bank in the country which had loaded up too much with real estate and debts went down, but the chances are that, in the settle-

ment of its affairs, it will pay dollar for dollar. There was no panic or collapse of any kind.

There was a considerable recession of prices, most heavily felt on outside lands, where fields had been cut up into streets and 25-feet-front lots with the expectation of making cities out of whole dirt. Inside property in the city of Los Angeles held its own remarkably well, and, in many instances, could be sold today at better prices than it would have commanded in the summer of 1887. In other instances there has been a shading down from 15 to 30 per cent. On the whole, however, there is a fine feeling, and few have sold at reduced values unless compelled to do so by the exigencies of debt. A great spirit of accommodation has been manifested on the part of creditors, and the result has been that many debtors have been enabled to pay their way out with comfortable savings on hand.

The transactions of 1888 were still heavy, by reason of the fact that many "boom" deals were closed up; second and third payments being made, at the end of which the instrument of conveyance was placed on record.

The transactions of 1889, while still less than 1888, indicate a healthy activity, and probably contain more new transactions than the preceding year. It may be said now that real-estate operators are "clothed and in their right mind," and that they buy more for legitimate investment and improvement than ever before. Real estate is found to have a soild substratum of value, after all, and it can now be bought at figures which promise an enhancement within a year or two, and a tegitimate return from the investment at once. The present time offers a golden opportunity to secure a desirable foothold in realty, either in the city or country. Prices are really lower in Los Angeles today than in most other cities of the Union of equal size and promise, while the most desirable fruit-growing, farming and villa lands outlying can be had for a little less than intrinsfe values.

The transactions of 1889 are as follows:

2,093 1 944	544 534	763	78	8 3.414.4"6
		684	726	3,075, 44
2, 14	520	728 693	· 766 646	8,556,721 4 543 159
1,662 1,519	51.6	508	508 509	3 357,458 2,470 161
1.426 1.167	519 410	451 389	4°6	2,052,952 1,839,947
1,145	432 472	347	366 428	1,643,709 5,293,408
1 222 1.182	547 470	344 282	431	1,536,577 2,520,106
	1,662 1 519 1 426 1 167 1,145 1,:66 1 222 1.182	1,662 5.6 1 519 504 1 426 519 1,167 410 1,144 432 1,166 472 1 222 547 1,182 470	1,662 506 558 1519 504 506 1426 519 451 1,167 410 889 1,144 432 347 1,66 472 366 1222 547 344 1,182 470 283	1,662 516 558 508 1 519 514 506 508 1 426 519 451 4 6 1 167 410 389 388 1,144 432 347 366 1,:66 472 386 428 1 2222 547 344 431

* Approximated.

COMPARISONS. Following are the transactions, by

		-Amount-	
Month.	1887.	1888.	1889.
January	\$4,995,099	\$6,627,526	\$3,414,436
February	4 868,057	7,601,829	3,075,774
March	5,234,455	7,589,117	8,556 721
A'pril	7,512,124	5,673,054	4,543,159
May	8,163,327	6,596,145	3,357,458
June	11,491,062	95,224,636	2,470,161
July	12,071,057	4,593,589	2,052,952
August	11,505,711	4,044,211	1,839,947
September.	9,872,948	3,772,074	1,648,799
October	8,120,486	8,751,539	5,293,408
November.	5,819,646	3,415 959	1,536,577
December.	7,323,220	3,920,486	#2,520,106
	-	-	-

Totals .. . \$96,780,192 \$62,813,164 \$35,309,468

*Note.-Approximated.

BUILDINGS.

Concise Statement of the Improve-ments of 1889. [Reported by architects, covering the time from January 1st to August 1, 1889, and including structures com-menced or completed within that period, additions and improvements.

all within limits of Los Angeles	city.]
BY KYSER, MORGAN & WALLS, CHITECTS.	AR-
Mansion house, cor. Ceres and 5th sts.,	
3-story brick	7:000
G. Owens, Bush st., cottage	1 800
G. Schroder, Palm st., cottage,	1,300
Church of the Unity, Fifth st	17,000
Capitol Mills, Upper Main st. (additions)	8,000
stores)	2,500
T. Goss, 113 S. Main st., 3-story brick	11,000
E, Germain, 411 S. Main St., o-story	
brick	11.500
J. Lang. 115 S. Main st., 3-story brick	11.000
H. C. Dillon, residence E. Germain, S. Los Angeles st. 2-story	9,500
E. Germain, S. Los Angeles st 2-story	
brick	14 000
C. Hetigs, Palm st., cottage	17,000
E. Germain. Hope and 11th sts., addi-	
tions, residence	5 500
Miss Hammond. Pearl st., residence	6,000
W. Wright, Hill st., near 10th, resi-	0.000
dence	2,800
E. Germain, Los Angeles st., Business	daman
block S stories	38,000
H. Newhall, Dana St., additions	1,800
Gus Knecht, Figueros st., res dence	8,000
Hellman. Haas & Co, office	1 800
County Hospital, executive building A. Briswalter estate, Memorial Chapel	9,500
	25,000
REPORTED BY J. C. NEWSOM, ARCHITE	
Riizabeth Chauvin, brick block	20,000
A. E. Chipman, residence	5,000
B, T. Henry, cottages	8,000

T	. Rhodes, cottage. l. M. Morrison, residence. ohn H. Bryan, alterations. A. Summer, residence.	3,000 10,000
J	ohn H. Bryan, alterations	8,000
J	eorre Shulto, residence	5 000
C	C. Allen, residence	25,000 5 000
JE	A. Sunner, residence- ceorge Shulto, residence. C. Newsom, residence. L. W. Connor, residence. C. Allen, residence. F. C. Kokke, residence. B. Winston, residence. dward Hildreth, residence. H. Session, residence. G. Flemming, residence.	12,000 5,000
CS	H. Session, residence	5,000 17,500 10 600 10,000
7	H. Session, residence. G. Flemming, residence. B. Heary, flats homas Ruddick, residence. rank Flint, residence rs. McGinnis, residence.	10,000
b		8,000 5,000
		T. 207,000
OA	ty Hall building, Fort street. \$ V.C.T.U. building \$ V.C	15,000
NI	W. Stowell, block	40,000
C	ethany Presbyterian Church	5 000 7,000 2 500 2,500
	REPORTED BY A. M. EDELMAN, ADCRET	2,500
O	J. Weil, Main st, bet. 1st. and	24,500
3		1,400
1	ave	4,000
h	ave	35,000
ŀ	ave. drs. E. P. Hersey, cor. Diamond and Williams sts., res dence. Cohn, Agricultural Park tot., double	1,830
	Iclean & Lehman S Main at 9.	2,000
	story brick block. B. Piconi, Regent st. near 7th st. 2-cottages. drs L. Knlisher, S. Main st., 2-story	2200
1	brick. W. Edelman, S. Flower at near	11,000
1	Pico. double tenement	8,800
1	d. H. Newmark, Grand ave., near	20,000
J	Ars I. Kallsher, S. Main st., 2-story brick. A. W. Edelman, S. Flower st., near Pleo, dou'le tenoment. C. Cohn & Co., cor. A ameda and Sainsevan sta., 3-story brick. H. Newmark, Graud ave., near Eleventh st., residence. Joise, N. Main st., 2-story brick. N. Jacoby, Hope st. bet. 7th and 8th, residence.	10,800
0	residence. has Jacoby, Hope st. bet. 7th and 8th,	8,000
6	R. B. Pironi, cor. 12th st. and Maple ave., alterations, residence. M. S. Heliman, S. Main st. nr3d., 1-story br.ck.	10,000
2	M. S. Heliman, S. Main st. nr3d., 1-story brick I. Silver. Figueroa st., residonce	1.900
i	I. Newmark, S. Fort st , alterations	600
	TECTS.	RUHL
١.	Pico Heights, Rosedale district, school- house	4.500
1	8. f. Ca os, Newhall st., residence	4,000 2,150 2,540
1	soyle Heights, Belvidere district, schoolhouse R. L. Calos, Newhall st., residence. t. S. Havs, Newhall st., residence. N. L. Wheelock, Newhall st., residence. Wm. J. Archer, Newhall st., residence. Arthur G. Newton, Little Rock ave., residence.	2 540 2,110 1,20
	Arthur G. Newton, Little Rock ave., residence	
1	residence Dr. G. R. Weeks, Newton st., residence C. C. Briggs, Central ave., residence	6,520 8,539 2 480
1	Dr. G. R. Weeks, Newton at., residence. J. C. Briggs, (entral ave, residence. J. C. Bauna, Central ave, residence. L. D. Dean, Mapil-ave, residence. A. J. Hochtman, Vernon ave, residence. R. W. Poindexter, cor. Flower and Jud- son residence.	2.475 1.900 8,100
1	H. W. Poindexter, cor. Flower and Jud- son residence. M. C. Wostbrook, Ocean View ave., residence.	8, 150
	idence. William H. Sneadaker, Manbattan ave.,	2,800
١.	W. A. Taylor, Burlington ave., rest-	3,575
	John Imzzarovich Summit avo rest-	3,375
1	dence George Bradbeer, King st., residence Howeli & Craig, Los Angeles st., brick block.	1,850
1	block J. Oddous, Alameda et., brick building. Mr. Botello, Bellevue ave. bern	20 000 5,200 1,000
	REPORTED BY W. R. NORTON, ARCHI	THOR
1	Dr. M. L. Moore, near Pearl and 9th sts., residence E. B. Millar. Spring, bet. 1st and 2d, 4 story brick	8 6,000
6	st, 4-story brick	4 500
	REPORTED BY DORN & SLOCUM, ARCHI S. A. Matterson, California st., fiats Baker & Meyers, Los Angoles st., ware	TROTA
1	nouse	. 10,000
1		
1	dwelling. W. H. Rhodes, Grand avo., dwelling W. B. Nisbet, Bollevue ave., dwelling John P. Culver, Grand avo., dwelling Frances Bates, Santee st., dwelling	2 500 3 000 1,400
1	John P. Culver, Grand ave., dwelling Frances Bates, Santee st., dwelling	. 1,400 . 3,500 . 3,600
٠.	METORIED BI FRANK S. CAPITAIN, ARCI	HITE CT.
1	Rev. P. Harnett, Sichel and Baldwis sts, Sacred Heart Church Louis Reeder, Spring st, bet. 1st and 2d sts., additions.	
١	Louis Roeder, Spring st, bet. 1st and 2d sta, additions. Louis Mesmer, New United States Hotel, additions.	
	Luca Sciscich, 1st and San Pedro sts.	180,000
1	2-story brick	3,500
1	2-story brick. Rev. J. T. Bartsch, Santee st., bet. 11th and 12th, frame church. Louis Phillips, Phillips block, Sprins st. new elevator and repairs. Convent Immaculate Heart, Pioc	9,000
1	Pierre Laroude, cor. of let and Spring	50,000
1	sts. alterations. J. J. Schadert, Adams st., bet. Figuero, and Grand ave., residence. Frank Sabichl, Figueros, bet. Adams	3,000
1	wild rates was strong wild carriage	
1	Commercial and Aliso, three 3-story	
1	R. Jeliner, Ocean ave. and Oak st., resi	35,000
1	dence. P. S. Brosius, 1st and Wellington sts. four 2-story brick buildings. D. Waldron, Laurel and Main sts., resi	. 3,000
1	T. 4. Kyan, Brookhurat near Anahaim	3 KOA
1	Chas. Hoffman, 11th and Denver ave.	2,000
1	G. C. Perret, cor. 3d and Spring, 3-story	2,000
1	brick. Frank Sablohi, Figueroa and Adam sts, repairs. Pierre Nicolas, cor Upper Main an Marchesault sts. 2-story brick. Ed Molaughlin, Commercial and Wilminston sts. prick addition	8 600
1	Marchessault sts., 2-story brick Ed McLaughlin, Commercial and Wil	9,000
1	mington sts, brick addition	4.000
1	mington sts, brick addition. Fred Hasiman, Adams sts, betwee Grand ave, and Main, residence. Pierre Nicolas, cor. Now High an Marchessault, two-story brick. L. L. chtenberger, Main near ist, alters tions to stores.	8,000 6,500
	REPORTED BY CURLETT, EISEN AND CURSON.	THBERT-

REPORTED BY CURLETT, EISEN AND CUTHBERT SON.

Lor Angeles county. Fort, Temple and
New High, courthouse.

Mrs. Bertha Saunders, Hope near Pico,

Angeles Orphan Asylum, Boyle ights.

	1
Los Angeles Cable Railway Company, Grand ave. and 7th, 1st. st., East	JA.
Lawellyn & Garyay Oth and Spring	G.
block. 10,000 Charles Duncan, Grand ave. near Pico, residence. 20 00 J. M. Griffith, lat, st near 2d, block. 100,000	0 0
George H Stewart, Bunker Hill ave.	Pi
Mrs. Ev Fisher Regulation N of Tem-	11
Ple, residence W. S. De Van, Castelar st. N. of Temple, tenement. REPORTED BY HUGH J. TODD, ARCHITECT.	
Mrs. Desnoyers, Virginia and Boyle Heights	0 M
C. Raphael, business block. George W. King, business block. Dr. Walter Lindier, S. Fort st, business	G.
Dr. Walter Lindiey, S. Fort st, business block. H. C. Wiley, S. Fortst, business block.	1
Dr. Walter Lindey, S. Fort at, business block. H. O. Wiley, S. Fort at, business block. George H. Pinney busines block. James B. Lankershim, business block Thomas Aivarado, residence A. Kiein, residence	C.
John Benner residence	A.
H. E. Kronick, residence	J. K
8. C. Brown, 4 flats. J. B. Lankershim, 9 flats. J. B. Lankershim, lodging house. R. B. Young, lodging house. Lindley and Jones, market house. Total of above buildings. BULLDING PERMITS.	80
Total of above buildings	W M
Reported by J. O. Muchmore, City buper intendent of Buildings, covering the perio	d CH H
from August 1st to December 15, 1889. Hervey Lindley, east side Fort, bet. 5th and 6th, brick block	
Hervey Lindley, east side Fort, bet. 6th and 6th,brick block. Bervey Lindley, Spring st., bet. Fourth and Fifth, brick block. W. Josep, S.E. cor. Second and Hill	0 R
sts. dwelling.	0 8
W. S. Templeton, Santee st., bet. Ward and Pine, dwelling	12.
Mrs C B. Hickey, No. 326 S. Fort st., brick warehouse	O C.
J. C. Blankinton, Fort st., bet. 4th and 5th, brick office	10.
tet., brick building	5 8.
M. Gerbard. Hill and Pacheco sta, dwelling. W. S. Templeton, Santes st., bet. Ward and Pine, dwelling. Bizza Fischer, 10, 10, block 12, Beaudry tct., dwelling. Mrs C B. Hickey, No. 258 S. Fort st., brick warehouse. J. C. Blankinton, Fort st., bct. 4th and 5th, brick office. A. M. Steveon, lots 12 and 13, Requentatet, brick building. A. R. Chipman. oor. Mashattan and West Ena aves., dwelling. Heery Martz, Bonsallo ave., dwelling. B. S. Tyler, cor. Adams and Severance, sts., dwelling. 3, 3, 30, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	w
M. M. Morrison 847 S. Fort st. repair	I D
## dwelling	1 11
G. F. Leonard, No.3 Pennsylvania ave.,	K 3.
M. H. Williams, No. 15 S. Grand ave., stable Julia Collins. Rowland st., near Figu-	15.
Franken field and Bonebrake, cor. Sixth	P.
A. M. Rawson. Second st., between Main and Spring, stores and offices 10,00	0 0
ing Wakin Dumber Hill are	1
dwelling Mrs. kannah Phillips, o.v. Wisston and Log A. geles ats. br ok dwelling Benjauni Wilde, Daly st., noar Wells, 1,60	0 0.
Benjamin Wilde, Daly st., near Wells, dwelling. 1,90 M. F. Woodward, 402 S. Fort st., dwelling 50	O La
dwelling. M. F. Woodward, 402 S. Fortst., dwelling M. F. Woodward, 402 S. Fortst., rep. barn Charles A Baskaville, 1753 Los Angeles st., dwelling.	1 01
A.L. Ballard, Pleasantst, Boyle Heights,	14
P A Martin 43 Court Circle, dwelling, 60	10 B
John Goedman, cor. 6th and Hope sts.,	
3 cottages. 3 cottages. 4 cottages. 5 cott	10
Freeman G. Teed. Skarff st., bet. Adams and Ellis, dwelling	E
Mrs. Marshall. Azusa st., bot. 2d and San Pedro, dwelling	5 J.
dwelling. Lankershim, cor. 7th and Fort sts. 9,00	1 1
sts., dwelling 8,97	8.
oth and oth, dwelling	-
First st. stores. 22,00 T. H. Ward, cor. Virginia and Boyle aves, dwelling 1,63	n L
A. W. Bush, No. 39 Buens Vista st.,	R.
W. Fisher, cor. Cummings and First sts. stores Dr. A. S. Shorb cor. San Fodro and Adams sts. dwelling. 4,90	0
J. Simonds, Alameda st., addition 10 L. A. Land Bureau, Ruth, bet. 5th and	0 R
M. Gerkem, S. E. cor. Sth and Earl sts., store	
dwelling	0
George Adalson, Novada st., bet. 9th and 10th. dwelling. 1,50 Rafael, No. 43 S. Fort st., kitohen 30 C. P. Doland, Bunker Hill, bet. 2d and	0 0
C. P. Doland, Bunker Hill, bet. 2d and 3d sts. residence	
Wm. Raymond, Hill st., bet. 6th and 3,60	T
J. Goodwin, cor. 6th and Hope ste.	
B. McLaughl n. Los Angeles st. bet.	0
Commerce at and Alico. stores	10.
Geo. Mason, Grand ave. and Adams st., dwelling. 400 J. A. Burnstein. leth st., dwelling. 1.60 H. J. Shafer, Hope st., 4 dwellings. 3,00	N) B
dwelling. J. A. Burnstein, leth st., dwelling. H. J. Shafer, Hope st., 4 dwellings. W. R. Hughes, Spring st bet, 5th and 6th, feed store. Fredericksburg B ewing Co., New Main	
st bottling works	10
dwellings, cor. stain and fite ets., 7,16 Henry Ludwig. San Julian st., bet. 8th and 9th, dwelling. A. M. Holmes, Workman Park, dwelling.	0
A. M. Bolmes, Workman Park, dwelling	o li
tng	ig g at
8th, repair 90	

J. Bradish, 222 Laurel st., repairs.... bhard Petri, 86 Carolina st., repairs. Schrecke, 246 S. Hill st., repairs..... P. Love, Main st., bet. Adams and Kinney dwelling. 2.000 brick store.

Briver, Collado st., dwelling.

Briver, Collado st., dwelling.

Briver, Main and Marchessault sts., brick block.

Britan & Brown, Los Angeles St.,

Los Angeles St., 200 Campa, 7th st., at cor. San Pedro A. Wiel, 259 Pasadena ave., 1,000 Downey ave, near Hayes, ling..... Richardson, 21 S. Johnson st., R. Crow, cor. 7th and Main sts., Rawson, 2d and Spring sts., stores..... Botiller, 8th and Maple sts., mar-S. Bogg, Lyle st., bet. Kuhrts and lozart, dwelling. H. Herbert, Ponnsylvania dozart, dwelling.

H. Herbert, Pennsylvania ave.
Gez. 122 Aliso st., brick bullding.
J. Still, Tewne ave., dwelling.
te A. Moran, 7th and Santa Fé sts., 1,000 lling ... ubblefield, 330 S. Workman st., der, Johnson & Co., Washington st., store... B. Percival, 12th st., d selling rs. D. D. Turney, Kinney st., dwelling aplain Mullen, 193 Manhattan av., ver the tracks and the bed of the drawn on the control of the very large and the control of the very large and the control of the very large and t welling... W. McNeeley, Ann and Main ets.,

be congratulated upon the result of his be congratulated upon the result of his labors.

Speaking of the construction of the road, Mr. Aug. W. Wright, constructing engineer, says that it presents very many features that make it an exceptional piece of work in its way. All the engineering problems that have met every cable-road builder in the world—and many that had never before been successfully solved—had to be solved. There were four great lines of cable with double tracks and two lesser lines, and upon this system there was every conceivable sort of curve and cable crossing to be overcome. All the lines were double-tracked. The cable road that was to be met and crossed had a prior franchise, and it followed that the new road had to carry its cables under that one in making the exception. followed that the new road had to carry its cables under that one in making the crossing.

Going down First street there were four lines of steam railway to be crossed, one of which, at Alameda street, must necessarily be crossed on the level, and then the tracks had to be carried over the Santa Fé rails at First street. The river being met at this point, it was deemed wiser to go over the tracks and the bed of the stream by one immense viaduct, 578 stream by one immense viaduct, 578 feet in length. The building of that viaduct was of itself a great undertaking, although it had been dwarfed by subsequent efforts in the same line, as

running foot. The approaches are built of 15 "I" beams, each 25 feet long, and of the weight of 50 pounds per foot. The foundation for each main post is a sold concrete block, 15 feet long, 6 feet wide and 5 feet 6 inches deep. Those for the smaller posts are 3 feet long, 3 feet wide and 3 feet deep. The concrete part of the approaches is 8 feet high at the highest point and 19 feet wide. The grade on the approaches is one foot in 5.7 and upon the main viaduct one in 1.75. There are two curves on the viaduct, each of 60 feet radius to the center line, and at these points there are brace posts to take the strain. Where the curves occur on the viaduct, too, as well as at the approaches, the tracks are carried on double posts. This is merely a precautionary measure.

tracks are carried on double posts. This is merely a precautionary measure.

The Downey-avenue viaduct is precisely like that at First street. It carries the line over the Santa Fé main road and the Los Angeles River.

A difficulty, which is not yet thoroughly overcome, is the disposition of storm water in winter.

Where the city has storm water drains near any part of the system, the company has connected with them, while at other points pipes have been laid under the cable conduits extending out several hundred feet. But with the steep acclivities of the Los Angeles hilly districts, and the immense watersheds draining right down upon the streets on which our tracks are laid, the cable company is practically helpless until the city makes some provision to carry off the storm water. The construction of a cable road requires a continuous opening in either track, the slot through which the grip grasps the cable, and through this slot the storm water pours in a continuous stream, running into the power-house.

It is a mechanical impossibility to operate this system through such floods as that of October 20th last, until some system shall have been devised to prevent the water and the sediment that

operate this system through such floods as that of October 20th last, until some system shall have been devised to prevent the water and the sediment that it carries from running in and stopping the wheels of the machinery.

There are over twenty-one miles of single track on the system. All the material, consisting of iron and steel, was provided by the Pacific Rolling Mills of San Francisco. The cable yokes are placed three and one-half feet apart and weigh 158 pounds each. They are eminently calculated, from their peculiar construction, to stand the immense strain placed upon them. The outire conduit is constructed of Portland cement, of which there were used 36,000 barrels, and nearly 50,000 cubic yards of crushed rock were put in to form the concrete. The result is a roadbed that will last practically for all time. Between the slot and the rails for the entire length of the road the track has been paved with bituminous rock.

The cable company has three large power-houses—at Seventh street and Grand avenue, where the general

the track has been paved with bituminous rock.

The cable company has three large power-houses—at Seventh street and Grand avenue, where the general offices for the operation of the system are, at First and Chicago, on Boyle Heights, and at Downey avenue and Workman street in East Los Angeles. At each of these power houses the machinery is designed to propel four cables. Only two are in operation at any one place, however, save at the Grand avenue power house, from which point tigree ropes are run. The lengths of the various cables are as follows: From Seventh street and Grand avenue to the Plaza, 16,200 feet; from Seventh and Grand avenue to Jefferson street, 24,000 feet; from Seventh and Grand avenue to Jefferson street, from Workman and Downey avenue to the Plaza, 23,600 feet; from Workman and Downey avenue to Pritchard street, 7000 feet; from Boyle Heights to Spring and First streets, 23,200 feet; from First and Chicago streets to Evergreen Gemetery, 7000 feet.

The machinery for operating the road was designed by W. R. Eckart of San Frangisco, and possesses some very novel features. The principal of these, and the one effecting the greatest saving, consists in giving motion to the cable-winding drum by means of endless cotton ropes. This connects the forward cable winders, making all of them drivers, and enables the workman of the cables at half-shaft length—effecting a great saving in the life of the rope by lessening the wear and toon, and the one engines at wo high and contain four engines. Two high and contain four engines, two high and contain four engines.

toar.

Each power-house is designed to contain four engines, two high and two-low pressure, which can be used coupled together or either one separately, as required in working the system. Each power-house contains, also, two 500 horse-power tripod boilers. All the machinery at the power-house at Seventh and Grand avenue was manufactured by Fraser power-house at Seventh and Grand avenue was manufactured by Fraser & Chalmers of Chicago, who have done their work excellently, while that at the other two power-houses reflects credit upon its makers, the Risdon Iron Works of San Francisco.

Besides the machinery for operating the road there are at each of the power-houses immense pumps designed to aid

in getting rid of the storm water. These pumps, at the Seventh and Grand avenue, and at the Downey avenue power-houses, have a proved capacity of 500,000 gallons per hour. A deep well at each power-house, giving from 4000 to 6000 gallons per hour. The greatest difficulty to be overcome was right angled curves. One of these ofers as much resistance as a half a mile of straight track, and again, where the line crosses the Secondstreet cable road, the cars have to come to a dead stop, release the cable, and then run across by gravity and catch again upon the other side. The gripmen are very careful, the system of pulleys there works perfectly, and as yet there has been no accident to the crossing cables at that point.

The steel grip used is very simple, and the first die employed upon the system—the die being that part of the grip seizing direct hold upon the cable—has a record of 10,000 miles running before wearing out. That surpasses anything done in any other city.

In addition to the cable lines, there are in the system some 25 miles of horse car lines, covering the entire city—and, altogether, the service is perhaps the most complete and effective possessed by any city in the world.

The length of the straight track of

plete and effective possessed by any city in the world.

The length of the straight track of the cable lines is 99,328 feet; of the viaduct, 4220 feet; of the bridges, 2124-feet; of the curves, 2010 feet, and of the pits, 562 feet. This gives the enormous total of 108,274 feet, or 20.50 miles.

Following are particulars of operations from January to December, 1889, both inclusive:

The Temple-street Cable Railway. This line extends out Temple street westward from its junction with Spring to the Dayton Heights tract at the boundary line of the city. The length is three miles, the eastern half of which is double track. The power-house is located on the corner of Temple and Edgeware road, and contains

ple and Edgeware road, and contains two complete Corliss traction engines for alternate or concurrent use.

The company runs seven regular trains, and makes five-minute trips on the eastern half of the road and tenminute trips on the extension, running cars from 6:05 a.m. to 11:30 p.m. It employs 45 regular men. F. W. Wood is the manager and John Fowler superintendent. The road has the reputation of being one of the best and most-economically managed in California. During 1889 it carried about 1,500,000 passengers. The eastern half of the line was double-tracked during the year 1889 at an expense of \$60,000.

Main Street and Agricultural Park. The route of the Main Street and Agricultural Park Railroad is as fol-lows: Commencing at Temple block, running thence south along Main street to Jefferson street, along Jefferson street to Wesley avenue, along Wesley avenue to Agricultural Park and the terminus; the distance being 4‡ miles. The Figueroa-street branch leaves Main street at the junction of

leaves Main street at the junction of Washington street, and running along Washington street to Figueroa street, and along Figueroa street to Jefferson street, where it reunites with the main line, the distance being 1½ miles, making 6 miles of double-track railroad.

The Fifth street branch, leased line, is as follows: Commencing at Temple block, it runs along Main street, over the tracks of the Main-st. and Agricultural Park Railroad, to Fifth street, thence along Fifth street, over its own tracks, double, to the Southern Pacific depot, on the Wolfskill tract, the distance being one and a quarter miles.

There are 16 cars on the main line, and three cars on the Fifth street line, making a total of 19 cars.

There were carried during the year, ending December 1, 1889, 2,200,000 passengers.

The improvements made during the

sengers.

The improvements made during the year, was the construction of 4781 feet of new track, on Main and Jefferson.

The cars leave Temple block, during the day, for Agricultural Park, every five minutes, and for the Southern Pacific depot every eight minutes.

Other horse-car lines are the Los Angeles and Vernon, running from Los Angeles and Arcadia streets, this city, to Vernon.

The Depot Railroad, running down Second street with branches extend-ing to the Southern Pacific and Santa Fé main depots. The Second-street Cable Road (now suspended). The Vermont-avenue line, and sev-aral others now building.

eral others now building.

The Weather at Los Angeles. Meteorological summary for the year 889, compiled from the records of the United States Signal office:

1		*	Temper	atur	θ.			
1889.	Mean	Maximum	Minimum	Mean daily	No Below 32"	of	Above 90°.	
January February March April, May June July August Septemb'r October November Decem ber	52 56 19 62 63 66 71 7- 18 66 61	7: 8- 8: 9: 9: 9: 9: 9: 9: 9: 100 8:	4 38 1 44 3 46 4 46 1 51 9 54 5 53 8 52 9 50	22 26 20 22 22 22 25 25 25 25 26 20 20 25 25 25 25 25 25 25 25 25 25 25 25 25		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 1 0 5 8 0 0	
	Rai	_'	Vind.	N	Veat	ber day	78.	l
1889.	Rainfall	rection	Maximum ve- locity and di- rection	Cloudless	Partly cloudy	Cloudy	Rainy	
January February March April May June		W	17 N 24 W 24 E 24 NW 23 W 14 SW	18 9 12 9	6 8 18 13 19 28	6 2 4 5 8	44 5 8 7	-

A record of temperatures of atmoshere and water taken at Avalon, atalina Island, for the first week in Catalina Island, for the first week in December, 1889, gives the following results: Atmosphere: Lowest temperature (December 1st, 7 a.m.), 54°; highest (December 3d, 12 m.), 69°; average for the week, 62.50°. Water: Lowest, 64°; highest, 66°; average for the week, 65°.

BANKS AND BANKING.

FINANCIAL BULWARKS OF THE COMMUNITY.

Report of the Manager of the Clear-Ing-house -- Statement of All Banks in the City and County.

ITH the subject of banks and banking naturally ome that of the Clearing-house, their joint organization. The following report was presented by the manager of the Clearing-house, George H. Stewart, to the association October 4, 1889:
In obedience to requirement, the manager begs to submit the following report of the transactions of the Clearinghouse for the fiscal year ending October 1, 1889.

1889.
The summary of clearings as reported quarterly to you, in detail is, viz: 0ct. 1, 1885, to Dec 31, 1888. \$10.884,672.80 Jan. 1, 1889. \$9.771,272.14 April 1, 18 9 to June 50, 1889. \$8.80,122.40 July 31, 1889, to Sept. 30, 1889. 7,566,172.68

To'al . \$36.873,242 46
The year previous, including 17
days in Sept., 1887, back to date
of organization, was... 63,050 980 98 Being a decrease for 1888 9 of .. \$26,177,638 52

Being a decrease for 1888 9 of. 426,177,638 52
The falling off in business indicated by
these figures is very large, amounting as it
does to over 40 per cent. of our first year's
tousiness; but your attention is requested to
the fact that, addhough the above decrease
goes forth to the press and public as representing the condition of our business coinpared with the previous year, it exargerates
the real decline. Since October 1, 1888, the
following Los Angeles banks have opened
for business:
Security savings Bank and Trust Company, February 11, 1889.
Statu Loan and Trust Company, March
11, 1889.
National Bank of California at Los Ange-

pany, February 11, 1889.
State Loan and Trust Company, March
11, 1889.
National Bank of California at Los Angeles, September 2, 1889.
Postoffice Savings Bank and Trust Company (now Main-street Savings Bank and Trust Company (now Main-street Savings Bank and Trust Company), September 2, 1889.
All of whick, we believe, carry a line of deposits subject to check. None of the above institutions have as yet done themselves, the honor of making application for membership in this association. In the mean time the volume of their business is without record in our Clearing-house reports, and our showing abroad is this entire amount short of actual transactions—a condition of things to our decided disadvantage in the numerous localities where clearing-house returns are believed to indicate the condition of business.
Among the occurrences during the year that are worthy of mention are:
First—The issue of clearing-house certificates to the amount of \$200,000, against the deposit of gold coin, October 9, 1888.
Second—Theremoval of the clearing-room from the Savings Bank of Southern California to Temple block, adjoining the Los Angeles County Bank.
Third—The reduction of quarterly dues from \$37.50 to \$25, beginning January 1, 1889.
Fourth—The adoption of the Saturday half-holiday as practiced in New York, San

1889.

Fourth—The adoption of the Saturday half-holiday as practiced in New York, San Francisco and other cities, commencing July 6, 1889.

.. . . Very respectfully, GEORGE H. STEWART, Manager. CITY AND COUNTY BANKS.

Detailed Statement of Their Condition from the Bank Commissioner Report.

\$2500000EE55

Totals	Totals Banks of the Rorks of the rovia First reovia Granii aden.—San (Astrona—Pomou People First Pedro—Banii rey—Birthe rney—Birthe sunbra—Bani a Monica—F	Fotals Savings banks— Angeles Savings ings Bank of Sou urity Savings n-street Savings	Commercial banks Farmers' and Merchants First Nationa Bank. Los Angeles County Bank Southern California Nation City Bank (formerly Child University Bank Fast Side Bank Fast Side Bank Fast Commercial Fast Co	
	Banks of the County Banks of the County Monrovia First National Bank Monrovia Grante Bank villey Bank Monrovia Grante Bank Monrovia Grante Bank National Bank National Bank Pomona—Pomora Bank Pomona—Pomora Bank Pomona—Pomora Bank Pomona—Pomora Bank Pomona—Pomora Bank Pomona—Pomora Bank San Petro—Bank of sin Petro Nowrey—Birthe, Scott & Maholm Whittier—Ricker, Mason & Lindley Allambra—Bank of Alambra. Santa Monica—First National Bank	Bavings banks Los Angeles favings Banks. Los Angeles favings Banks. Savings Bank of Soutborn California Security Savings Bank & Trust Co. Main-street Savings Bank & Trust Co.	Commercial banks Farmers' and birr-bants' Bank Los Angel's National Bank Los Angel's National Bank Cot Angel's Country Bank Cotty Bank (formerly Chidress Bank) University Bank Sast Side Bank Sast Side Bank State Lora and Free Company National Bank Od California	
12 GAN 74128	\$24,683 83 \$3,406 83 \$45,000 00 \$20,000 00 \$20,000 00 \$20,000 00 \$24,167 45 \$4,000 82 \$4,000 82 \$4,00	8417,124 44	91 634 64 170,000 00 30,489 80 125,000 00	Benk premises
98 487 47	4. 5.088 79 68	87,719 80	\$3,524 80 4,105 00	Real estate taken
138 855 98	\$16,500 00 \$16,002 50 58,554 00 82,621 86 15,621 00 15,821 60	\$1,188,378 03 16,300 00	\$104,268 75 367,649 96 518,156 07 70,000 00 88,4.8 25 64,125 00	Invested in Stocks, Bonds and Warrants
02 rer 0618	\$602,537 89 \$10,209 77 \$0,226 53 \$40,708 43 \$40,708 43 \$40,50 67 \$15,508 43 \$15,508 43 \$15,508 43 \$15,508 43 \$15,508 43	\$1,261,224 30 \$272,026 50 \$37,620 57 103 640 25 103 640 26	8556,877 00 843,575 50 86,080 (0 111,888 (0 9,828 8 907,494 28	Loans on Real Es-
20 146 64	43,146 84	-\$ 912,355 65	\$180,800 00 297 3-80 00 240,870 47 77,795 40 55,019 68 51,570 00	Loans on Stocks, Bends and War- rants
20 717 70	104, 714 70	\$3.7,877 93	815,400 00 178,561 23 107,210 73 1,700 00	Logns on other Secur. ties
28. 800. 6548	47,495 85 47,495 85 47,495 85 47,495 85 47,495 85 170,49 85 180,130 85 180,13	83,861,196 89 8,693 36	81,130,323 51 637,131 02 724,623 16 104,132 76 116,132 76 116,794 96 126,795 96 126,795 96 126,795 96 11,764 02 11,764 02 11,764 12	Loans on Per- sonal Securities
2150 040 10	20,928 84 4,720 88 18,558 78 18,558 78 18,558 78 18,558 78 21,720 97 21,720	88,280,442 36 88,323 86 12,041 70 824 66	8762,530 71 61 ± 965 72 50 7,708 28 13 1 697 39 13,130 68 17,111 04 25,965 08 210,402 88 17,053 19 16,066 65	Money on hand
	9 138,440 55 4,562 24 143 42 23,64 13 16,211 67 17,015 41 1,701 54 1,708 56 4,568 30 4,568 30 4,568 30 4,568 30 16,217 32	82,876,205 10 65,402 19 14,872 59 45,787 27 88,877 77	01,416,678 34 346,950 88 109 348 40 66,546 67 110,557 48 21,931 98 22,931 98 23,891 48 25,190 75 22,193 98	Money in other
20 101 04	#23,006 30 8 661 77 8 77	90,003 24 97,069 85 4,588 65 7,580 15 8,422 65	\$ 8.265 65 8.505 44 8.505 00 6.300 00 9.94 66 91 634 08 18 90 64 4.39 64 1.439 64 1.439 64 1.439 69	Other Assets
21 050 970 FE	\$002,90, 31 \$ 98,045,535 \$ 66,688,90 1'-8,568,90 1'-8,568,90 148,139,79 \$ 66,658,16 256,658,16	\$12,712,641 72 \$973,123 20 265 125 37 178 082 67 86,575 07	#4, 188, 146 76 2, 307, 223 428 2, 295 428 78 708, 547 63 673, 744 63 673, 744 63 254, 475 68 264, 476	To'al of Assets and Liabilities.
200 202 200	#151.830 00 # 50,760 00 44,825-00 100,000 00 44,000 00 44,000 00 44,000 00 46,000 00 25,000 00 21,900 00 26,000 00	\$2,442,491 00 \$ 25,000 00 20,000 00 68,080 10 40,230 00	8 500,000 00 200,000 00 10 - 000 00 10 00 00 10 00 00 10 00 00 00 10 00 00 10 00 00 00 10 00 00 10 00 00 10 00 00 10 00 00 10	Capital Paid up.
910, 040 12	\$ 52,787 82 \$ 4,586 78 \$ 4,586 78 15,493 44 15,493 48 15,494 913 8 4 6 913 11,183 21 119,710 83 22,507 83 23,507 83 23,507 83 23,507 83 23,507 83 23,507 83 23,507 83	\$1,338,003 09 • 23,628 81 24,475 22 4,683 79	8 900,132 58 2:6.813 16 90 295 17 11:8.000 00 17,378 56 90,791 98 90,791 02 45,591 02 15,884 27 15,884 77	Reserve Fundand Front and Loss,
80 087 740 98	8 82,298 53 8 82,298 53 28,693 54 88,698 54 88,698 54 88,698 54 88,698 54 88,698 54 88,698 54 88,794 95 903 688 87 19,001 88 20,714 91 36,714 91 36,714 91	107.819 88 43.063 15	\$2,844,814 18 1,845 224 51 1,845 224 51 1,840 426 53 401,828 21 173 578 26 422,578 92 144,222 95 112,149 56	Due Depositors
10 003 028	● 9,922 73 1,747 25 1,747 25 20,845 68 20,845 73 20,845 74 20,845	\$100,081 42	\$ 70,222 16 2,689 26 25,748 65 1,420 76	bus sa nad ot sud stoanald
978 one 25	#11,250 00 #11,250 00 #.508 33 16,250 00 22,600 00 11,250 00	\$289,179 27 \$202 05	\$ 1,680 00 144,883 0) 45,000 00 62,400 00 188 2,	Other Liabilities

8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
RECAPITULATION.	
Total assets—Commercial banks, c ty of Los Angeles	
Total of city banks. Banks of the county	13 615 448 03 1 956,350 75
Total city and county. Cash on hand—Commercial banks, city. \$2,280,442 35 Savings banks, city. 20 228 84	\$15,571,798 78 .
Total of city banks	\$ 2,300 671 19 158,946 16
Total for city and county	2,468,617 35
	8 2 812.262 61
Total available cash city and county	\$ 5,220,879 96
Total of city banks	\$ 2,593 821 00 605 525 60
Total, city and county. Surplus—Commercial banks, city. Savings banks, city. 53 787 82	8 3,119,346 00
Total surplus, county banks	\$ 1,590,790 91 134,243 13
Total surplus, city and county	1,525,084 04
Total ca, ital and surplus 4. 8,542,756 94 Deposits—Commercial banks, city 68,542,756 94 Savings banks, city 698,526 44	8 4,724,880 04
Total of city banks	8 9,241 313 38 1,087,749 28
Total of city and county banks	\$10,329,063 66



COMMERCIAL BODIES

THAT LOOK AFTER THE GENERAL AND LOCAL WEAL.

Board of Trade and Chamber of Com merce-A Glance at Their Ef-forts - Local Organ-Izations.

EVERAL commercial bodies of standing and importance lend their efforts to the advancement of public interests.

The Board of Trade is an organizazation of the business men of this city for mutual protection in business interests and promotion of public enterprise. It is a corporation, having been incorporated in March, 1883. Its management consists of a board of six directors, and its officers are a president, vice-president, secretary, treasurer and attorneys.

To give some idea of the great amount of work that is done, outside of the great number of letters, resolutions, etc., regarding public matters, there have been this last year claims filed in the secretary's office amounting to \$99,902.82. Nearly one hundred cases have been adjusted by the board, and \$32,808 have been paid out in dividends. Many differences between the debtor and creditor are adjusted without the aid of the court, and therefore a great amount is saved to the parties for costs.

The officers and directors for the present year arc: S. B. Lewis, president; J. V. Wachtel, vice-president; T. H. Ward, secretary; L. N. Breed, treasurer; Graves, O'Melveny & Shankland, attorneys; directors, S. B. Lewis, C. Seligman, H. Jevne, L. N. Breed, George E. Dickson, J. V. Wachtel.

CHAMBER OF COMMERCE.

Review of Its Efforts and Accom-

Maj. E. W. Jones, president of the Chamber of Commerce, furnishes the following: The work of the Chamber of Commerce for the past year has been in part in the following matters:

In endeavoring to secure such a United States public building as would be a credit and ornament to our city, and adequate to the necessities of the Government at this point. This seems likely to succeed, as the Supervising Architect of the Treasury has recommended an increase of the appropriation to \$500,000, and our Repre-

priation to \$500,000, and our Representative expresses confidence that the increase will be granted.

In strenuous efforts to procure larger recognition of our need of a harbor by sending to the departments and to Congress a large mass of statistics with regard to San Pedro harbor and escorting of several parties of Senators and Congressmen to that port and describing to them the character of the improvements desired.

In endeavoring to bring about increased cultivation of land in Los Angeles county.

geles county.

In urging the passage of such laws as will enable us to collect our taxes semi-annually.

In urging the repeat of the mortgage

In urging the repeat of the mortgage tax law.

In urging the passage of the Beform Farm Bill and the location of the Reform School near Los Angeles city.

In reopening trade relations with Inyo county, awakening the interest of the Carson and Colorado Railroad Company in the extension of its road in this direction, bringing its president here to look over the situation, and keeping the project a ive.

In awakening interest in sugar-beet raising, holding correspondence and interviews with the leading beet-sugar men of this coast, and procuring and

men of this coast, and procuring and furnishing seeds and information to hosts of interested persons. In endeavoring to secure the erection

of crude sugar works here.

In procuring and publishing reliable information with regard to low-priced lands; issuing 10,000 lists of such lands and scattering them broadcast, setting at rest the claim that we had no lands

at rest the claim that we had no lands at reasonable prices.

In agitating the building of a railway from the coal and iron fields of Utah, and in obtaining the best information to be had, of the intention of Union Pacific and other railway companies with regard to the same. In numerous interviews and much correspondence with persons interested and well-informed on the subject, and in setting forth the advantages of building to this point.

In acquiring membership and in-

fluence in the State Board of Trade; providing for displays of the Los Angeles county products in the rooms of the board, and in the first and the "New California on Wheels." keeping up a creditable and the only citrus exhibit on the former traveling exhibition, and sharing actively in all the other work of the said State Board since our connection with it in March last.

last.

In working for a combination of Southern California commercial bodies, similar to the State Board of Trade, the setting up of a Southern California Industrial Exposition and the sending out of a "Southern California on Wheels" so that this section might, as it ought, be independent of the rest of the State as far as possible in all such matters, inasmuch as the people of the rest of the State are as inimical to every interest of Southern California as the people of Mexico or any other foreign nation.

In presenting the subject of our arid

other foreign nation.

In presenting the subject of our arid lands in proper form to the Senate committee sent here to investigate them, and furnishing said committee with information with regard to irrigation in this county; in entertaining said committee suitably, as well as the Senate Committee on Our Relations with Canada on its visit to Los Angeles and San Pedro harbor.

Canada on its visit to Los Angeles and San Pedro harbor.

Our Representative in Congress has been appointed chairman of the Committee on Arid Lands, from which we should reap considerable benefits.

In this connection we have been asking that the surveys of arid lands and reservoir sites be extended at as early a date as possible to this region.

In active cooperation in the work of the Commercial Convention, held at San Fraucisco, and in the resulting organization of the Pacific Coast Board of Commerce. of Commerce.

In adding in the forming of the bank syndicate for the purchase of the local wine-grape crop, which has brought the grape-growerspast a crisis and enabled them to sell their crops at

and enabled them to sent their crops as a better price.

Also, in aiding the sweet-wine makers in their efforts to get relief from the oppressive operation of the internal revenue laws.

In getting the Citrus Fair for this section located here, and in awakening interest and trying to insure its success.

success.

In getting the next meeting of the State Horticultural Society held here, in connection with the Citrus Fair, which that society promises to make the best meeting "ever held in the State."

In inviting, escorting and entertaining the members of the National Grange and their friends.

In correspondence, etc., with the rail-way authorities with regard to pas-senger and freight rates and reports of traffic, and with people from all parts of the country with regard to the in-ducements which Southern California holds out to those who wish to come here.

In conferences with people who wish to engage in manufacturing and other enterprises here.

In conferences with people who wish to engage in manufacturing and other enterprises here.

In collecting and compiling statistics of Los Angeles city and county, and distributing the same in printed form, for the purpose of informing the outside world of the condition and resources, and the advantages we offer for homes and investment, and of removing the unfavorable impression with regard to us that has prevailed throughout the rest of the country. In this work we have sent out about 30,000 pamphlets, etc. And in preparing for similar work for the coming year, we are accumulating, through our standing committees, a mass of information on local commerce, manufactures, lands and crops, mining, motive powers and fuel, immigration, and other subjects of great value.

It will be seen from this rés imé that the scope of the chamber work is large; at the same time it is wholly within its province. We cannot leave any portion of it unconsidered and satisfy the demands of the community. We make no drafts upon our people for any but absolutely necessary expenses. We are not organized to furnish pecuniary aid to any enterprise, and we endeavor to further any undertaking believed, after careful examination, to be of public benefit by our indorsement, and to keep our people awake to their interests in the matter of harbors, railways, public buildings and all affairs of any magnitude. Our newspapers are great forces in the same work, but there is a field which newspapers cannot fill—that of furnishing a medium and a machine for the transaction of actual business, a place where the people can meet and counsel with each other and a bureau of information and action upon questions of public importance.

The Chamber of Commerce of Los Augeles is not, and never has been,

LOCAL ORGANIZATIONS.

Boards in the Eastern, Western and Southern Suburbs.

The West End Board of Trade was organized on March 14, 1888, under the name of the West End Property-owners' Union. The first few meetings of the union were held in the Temple-

the union were held in the Templestreet engine-house; afterward a commodious room was secured and fitted up at 1210 Temple street. Here the organization now known as the West Board of Trade-still meets regularly on Wednesday eyeuing of each week. The object of the board is to obtain needed public improvements for the section of the city represented by its membership, and to secure the establishment of mercantile and manufacturing industries. The board has steadily increased in membership and usefulness. There are now upwards of 70 members. H. C. Register has been president of the board for the past year.

D. C. Morrison is the present secre-D. C. Morrison is the present secretary. The following are the committees, with the present chairman of each: Street Committee, J. Mills Davies, chairman; Sewer Committee, Julius Lyons, Esq., chairman; Fire and Water Committee, E. Edgar Galbreth, Esq., chairman; Committee on Parks, Col. C. E. Dailey, chairman; Committee on Schools, A. M. Ellsworth, chairman; Mercantile and Manufacturing Committee, Daniel Innes, chairman; Gas and

Mercantile and Manufacturing Committee, Daniel Innes, chairman; Gas and Light Committee, A. M. Ellsworth, chairman.

Much good has been accomplished through the efforts of the board in attracting the attention of the proper authorities to the necessities and requirements of the territory south to be served by the board, and in securing better improved streets, abatement of nuisances, better supply of water, protection against fire, better distribution of light, development of parks, and in a more thorough understanding by the public of the workings of the city government. government.

There are about 10,000 inhabitants in the district included by the board, and about 2000 voters, but as yet the district has but a small representation in the city and county government.

Crown Hills.

The Crown Hills Board of Trade is an organization recently formed. It devotes its attention chiefly to a section of the West End of the city, from Temple street on the north to Ward street on the south, and from Bunker Hill avenue on the east to the west city limits. It has a membership of over 60, and the officers are as follows: President, C. M. Wells; first vice-president, A. McFarland; second vice-president, N. S. Averill; secretary, I. B. Newton; troasurer, E. H. Hutchinson; Executive Committee, Jesse Yarnell, M. H. Merriman and B. E. de Hart. an organization recently formed. It

The East Side Chamber of Commerce, which was formed during the

past year, is a large and influential body, with M. D. Johnson its president and a membership of over 100. It takes especial cognizance of pub-lic matters affecting East Los Angeles, and has been instrumental in starting and furthering many important enter-

prises.

The officers are: M. D. Johnson, president; C. N. Earl, vice-president; Sherman Smith, secretary; L. M. Brown, financial secretary, and W. W.

Stockwell, treasurer.

The East Side Board of Trade is an older organization, which has done much good in its day in substantially the same channel, but its meetings have lately been suspended.

Boyle Heights.

The Boyle Heights Board of Trade is another local organization which jealously promotes and guards the in-terests of the Boyle Heights section. The president is W. H. Workman, the father of this flourishing suburb.

South Side.

The southern suburbs of the city, including. Washington street and the University section, also has an organi-zation known as the South Side Board

Pineapple Growing.

There is at the present time a move-ment on foot to determine the best way of growing to perfection this valuable and delicious fruit. There is no reason to doubt but that with proper care work, but there is a field which newspapers cannot fill—that of furnishing a medium and a machine for the transaction of actual business, a place where the people can meet and counsel with each other and a bureau of information and action upon questions of public importance.

The Chamber of Commerce of Los Angeles is not, and never has been, making any effort to revive the socalled "boom," but it is endeavoring to so stir up the energies of the people that the evil effects of wild speculation may be overcome and solid, wise and widespread prosperity prevail about us.

TRAFFIC.

STATISTICS OF RAILROAD AND EXPRESS COMPANIES.

The Amount of Freight Forwarded by the Southern Pacific and Santa Fe Lines--Telegraphic Business.

LEVEN distinct lines of railroad focus in Los Angeles, making it the most important railroad center in the State. Statistics of the principal systems are here given:

THROUGH FREIGHT FORWARDED, 1889, FROM LOS ANGELES STATION, SOUTH-ERN PACIFIC CUMPANY.

	ERN PACIFIC COMPANY.	-
l des	Aspantum. Aspantum. Barley. Beans Borax Brandy Canned goods. Emply peckages Fruit, green, dec duoes fruit, green, ditus. Hides. Jumber.	
1	445,280 47,920 5,540 138,000 87,550 29,020 81,190 28,840 41,920 125,840 83,840	Jap.
1 200 000	885 570 887 570 888 570 870 870 870 870 870 870 870 870 870 8	Feb.
0014 060	21,000 107,900 29,630 2,275 800 2,275 800 2,275 800 2,275 800 2,275 800 2,275 800 2,275 800 2,275 800	Mar.
1 787 780	48,750 28,770 29,130 29,130 27,290 8,191,90 81,100 81,100 81,100 81,100 81,100 81,100 81,100 81,100	April.
UUS 176 F	90,250 90,250 90,250 90,250 90,250 90,250 913,460 914 (Ge)	May.
4 941 800 8 310 250	22,500 10,250 24,100 44,700 2,842,490 101,800 104,000 104,000	June.
1.650.400	147,340 4,510 43,250 105,740 107,340 107,340 127,080 127,080 138,140 88,140 88,140 88,140 25,959	July.
701 810	97 200 97 200 97 200 97 200 98 1,450 98	Aug.
1 90	201.840 43.020 24.020 24.020 24.020 24.020 25.020 2	Sept
5 072 130	20,450 3,990,450 1,000 1	Oct.
3 598 400	9000 0000 0000 0000 0000 0000 0000 000	Nov.
2 800 459	9 090 82,838 517,162 10,862 10,862 10,863 10	Dec.*
34.463.549		Total.8
2 800 459 34 463 549	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_

SANTA FE SYSTEM.

Statistics of the Southern California Railway Company. Following is a statement of freight business for the year ending June 30,

1889:	
the second second	Weight
Commodities.	in pounds.
Grain Flour, rolled grain, and m listuffs.	44, 70,0 0
Flour, rolled grain, and milistuffs.	19 8:46,000
Hay and straw	25,168,000
Fruit and vegetables	96,986,000
Honey	3 288,000
Live a ock	24,624,000
Fresh meats, poultry and fish	1,798,000
Wool hides and leather	4,082,000
Packing-house products	8 140,000
Coal	192 704 000
Minerals and meta's	27,404 000
Building mater al*	191,868,000
Lumber	175,444,000
Oils	89.3 6.000
Railroad material	61,248,000
Machinery	6,316,000
Vehicles, tools and agricultural im-	
plements	6,464 00
Wines and liquors and beers	20,566,000
Household goods and furniture	10 442,000
Merchandise	219,304,000
Railroad construction material	88,614 000
Total	1 256,832,00

Stone, sand, brick, and other like materia Following is a statement of freight forwarded and received at Los Angeles station for the year ending De-

Commodites	,0-
Orangea and lemions. 1,470 000 Othor fruits and vegetabl's 4828 001 GFain. 4806 000 Hay and straw 288 000 Flour and millstuffs 586 000 Wines and liquors 3,575 000 13,762,000 13,762,000	
Othor fruits and vegetabl's 4 828 00 1 GFain 4 868 000 Hay and straw 288 000 Flour and milistuffs 5.86 000 Wines and liquors 3,576.00 1 1,762, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ds.
GFatn. 4 806 000 Hay and straw 288 000 Flour and milistuds 5 876 000 Wines and liquors 3,576 00 1 umber 1 582,000 13,762,00	
GFain. 4 806 000 Hay and straw. 208 000 Flour and milistuffs 5806 000 Wines and liquors 3,574 001 t umber 1 582 000 13,752,	
Hay and straw	
Wines and fiquors 3,576.000 umber 1.582.000 13,762,	
lumber	
Du Iding material - 8 724 000	OLO
Household goods and fur-	
niture 2,414.	
Coal 75.710,	
Live stock	
Coal 75.740. Live stock 4.92. Merchandise 57.102.600 177.6 8.	
Total	000
Following is a statement showing shipment of oranges, lemons, other	ng

14				
14				
fruits an pounds. From Joranges Lemons Other fruit	ful y 1 5,	1888, to	June	
Total				58,690,00
Southern	Califo	pany.	Rallway	Com
Statem gers carr For the year	ied:	wing nu	mber of	
Californi Statem	ent sho	wing n	umber	of pas
sengers in				
16 .	during .	N	umber	Number
Month. January February March	•••••••	•••••••	warded. : 25,795 24 102 25,867 23 728	27,486 24.162 24.870 28,69
April May June July			22,243 20,254 24,670	22,667 20,827 24 05:
August September. October November. December.			21,774 22,491 17,033 16,186 18,450	21 173 21,80 18,274 17,644 19,956
Total Statemedried frugrain and year 1889:	wool b	wing nes, 1		honey
	0	9	Can I	Sar
COMMODITIES IN POUNDS.	Ang ounty	nge Cou	Bernard ounty	Diego
	eles	nty.	lino	4
Dr d fruits Wines and liquors Honey Grain	180,000 3,980 000 60,000 12,780,000	140,100 110,000 2.720,000	5,140 000	40.000 420,000 16,760.000
Wool	518 000 17,518,000		266,000	

Wells, Fargo & Co.'s Express. Through the courtesy of Mr. Butler, agent in this city, THE TIMES is furnished with the following recapitula tion of express business transacted through the Los Angeles office: No pounds freight traffic, 1885. 1.350,000

No. pounds freight traffic, 1886. 3,279,8, No. pounds freight traffic, 1887. 4,46,4 No. pounds freight traffic, 1889. 7,150,10 No. pounds freight traffic, 1889. 7,150,10 No. of men employed at Los Angeles, 1885. 1 No. of men employed at Los Angeles, 1886. 1 No. of men employed at Los Angeles, 1887. 8 No. of men employed at Los Angeles, 1887. 8 No. of men employed at Los Angeles, 1888.
*No. of men employed at Los Angeles, 1882. 4
No. messengers en route, 1885 No. messengers en route, 1886 No. messengers en route, 1887 No. messengers en route, 1888 No. messengers en route, 1888 No. messengers en route, 1888 5
No. express trains daily, 1885 1 No. express trains daily, 1886 1 No. express trains daily, 1887 3 No. express trains daily, 1888 6 No. express trains daily, 1888 6 No. express trains daily, 1889 6 No. wagons in use, 1886
No. wagons in use, 18 7 No. wagons in use, 1888. 1 No wagons in use, 1888. 1 *December estimated.

The local office of the Pacific Coast

Steamship Company furnishes the following statistics:

Freight landed at San Pedro, Dec. 1, 23 132 474

Freight landed at Rodondo, July 1, 5, 12, 295

Freight landed at Rodondo, July 1, 5, 112, 295

Freight taken from San Pedro, Dec. 1, 88, to Dec. 1, 89. 19 1, 88, to Dec. 1, 89. 19 1, 88, to Dec. 1, 89. 19 1, 89, to Dec. 1, 89. 19 1, 89, to Dec. 1, 89. 10 1, 10 1, lowing statistics:

assenger steamers at San Pedro go-ing south, Dec. 1, '88, to Dec. 1, '89, trips..... trips.
Passenger steamors at Redondo, July
1, 28 to Dec. 1, 28, trips.
Preight steamers at Redondo, July 1,
'99 to Dec. 1, 28, trips.
Preight steamors at San Pedro, Dec.
1, '88, to Dec. 1, 89....

TELEGRAPH.

The Western Union and the Postal Talegraph Company.

14

Within the past year a new wire has been constructed by this company from San Francisco to El Paso, Tex., and a new line has been extended from this city to Santa Monica. There are in Los Angeles the main office cor-ner Main and Court streets, and nine branches. Statistics as to amount of business transacted are not available.

POSTAL TELEGRAPH COMPANY. An office of this company has been established in Los Angeles within the past year under the superintendence of R. R. Hames, an old time telegraph ing and reliable and is reaching out for its share of business.

PACIFIC POSTAL TELEGRAPH-CABLE COMPANY.

The telegraph line of the company with the above long title is one of the acquisitions to this growing metropolis within the past year, and has been quite warmly welcomed by many people. The officers of the company are:

J. W. Mackay, the well-known millionaire, president; M. C. Van Horne,

a prominent telegraph man, as vicepresident; Charles R. Hosmer, another
prominent telegrapher, as general manager, and L. M. Storror, for many years
cashier of the Western Union Company at San Francisco, as District Superintendent. The local management
here is in the hands of R. R. Haines,
with headquarters at 19 West First
street. The company has a business
capacity of six wires running from thiscity through the center of the State,
connecting with all the principal business cities of Central and Northera
California, Oregon, Washington and
British Columbia, thence eastward by
the Canadian Pacific Railroad, and
connecting en route with the States of
the great West by branch lines, and
trom Montreal with all of the commercial centers of the Central and
Eastern States. A prominent feature
in this company's programme is its
special and immediate connection with
the Commercial Cable Company (the
Mackay-Bennett system) for all parts
of the world enjoying telegraphic communications.

The Pacific Postal system covers two-

munications.

The Pacific Postal system covers twothirds of the telegraph field of the
country through alliances with eastern
companies that have been enabled to
survive the opposition of the WesternUnion, notably the American Rapid,
the Bankers and Merchants', and
the Commercial Telegraph Companies.
At present the wires are being rapidly
and westerly, \$1,500,000 being the estimated cost of construction of lines
now in hand, and which will reach the
Pacific Coast, giving the company as
second outlet for its business with the
great East. A party is now in the
field working eastward from this city,
and will soon establish a wholesome
competition in the telegraph business
of the towns now making Los Angeles
their commercial and social center.

Telephone. The Pacific Postal system covers two

Telephone.

The Telephone Exchange of Los Angeles was organized in 1882, with seven subscribers, and the patronage has steadily increased until there are now 1050 telephones in use in the city now 1000 telephones in use in the city of Los Angeles, and some 150 more in the smaller towns of this county. Every town in the county is connected with this city by telephone. The annexed table shows the number of telephones in use in some of the principal cities of California:

San Francisco.														
Los Angeles	 m	'n	••	4								٠.		1,06
Oaklaud														
Sacramento														
San José	 		٠.			 	٠	 			.;	٠.	٠.	12
Pasadena	 				 			 						. 7

FEDERAL MATTERS.

REPORTS FROM VARIOUS GOV-ERNMENT OFFICES.

Military Department of Arizona-Internal Revenue - Postoffice Soldiers' Home - Signal Service Report.

ILITARY matters command much attention in Los Angeles. Following are statistics obtained from Headquarters of the Department of Arizona;

The military division of the Pacific includes the departments of "The Columbia," "California" and "Arizona," with one general officer in com mand of each, and the necessary staff officers and cierical force at his headquarters, to administer the affairs of his department and keep the command

The President of the United States. recognizing in 1886 the natural advantages which Los Angeles, with its transportation facilities and varied industries, possessed as a great and growing commercial center, from which the troops stationed in the Southwest could be readily operated and economically supplied, added Southern California to the Department of Arizona, and established headquarters at Los Angeles. This change brought about to our city the commanding general, his staff officers and the necessary clerical force to conduct the military operations of the department; in all, about fity people, many of whom have families.

The command of the Military Department of Arizona includes the Fourth, Sixth and Tenth cavalry regiments; and the Night Tenth and Tenth cavalry regiments; recognizing in 1886 the natural advan-

Sixth and Tenth cavalry regiments; and the Ninth, Tenth and Twenty-fourth regiments of intantry, aggregating 4000 men, stationed at the various foris within the limits of the department, which extends from Texas and the Indian Territory on the east, to the Pacific Ocean on the west; and from Colorado, Utah and Nevada on the north, to the boundary line separating the United States from Mexico on the south.

Many of the articles consumed by this command are advertised for, and

procured under contract in Los Angeles, necessitating disbursements there for transportation and supplies, including subsistence, clothing, fuel, forage, stationery, cavalry horses, draft animals, building and plumbing materials, hardware, machinery and miscellaneous articles, aggregating annually more than \$1,200,000, in addition to the amount required to pay the troops.

dition to the amount required to pay the troops.

Col. B. H. Grierson, Brevet Major-General, is in command of the department. His personal staff consists of First Lieut. C. H. Grierson, Acting Aide-de-Camp; Second Lieut. J. A. Perry, Acting Aide-de-Camp.

The department staff is as follows:

Maj. W. J. Volkmar, Adjutant-General's department, Assistant Adjutant General.

General.

General.
Lieut-Col. R. H. Hall, Sixth Infantry, Acting Inspector General.
Capt. H. K. Bailey, Acting Judge
Advocate, and in charge of the engineer

Maj. A. S. Kimball, Quartermaster, Chief Quartermaster.
Capt. C. A. Booth, Assistant Quartermaster, Assistant to the Chief Quar

termaster.
Capt. W. A. Elderkin, Commissary of
Subsistence, Brevet Major, U.S.A.,
Chief Commissary of Subsistence.
Lieut.-Col, J. R. Smith, Surgeon,
Brevet Colonel, U.S.A., Medical Director.

Chief Commissary of Subsistence.
Lieut.-Col. J. R. Smith, Surgeon, Brevet Colonel, U.S.A., Medical Director.
Maj. G. E. Glenn, Paymaster, Chief Paymaster.
First Lieut. T. J. Clay, Tenth Infantry, Inspector Small-arms Practice, and Acting Ordnance Officer.
The troops are stationed as follows: Fourth Cavalry, headquarters and Companies E and L at Fort Lowell, Ariz.; Companies A, F., I and M at Fort Huachuca, Ariz.; Companies C and H at Fort Bowie, Ariz.; Company D at Fort McDowell, Ariz.; Company B at Fort McDowell, Ariz.; Company K at Fort Yerde, Ariz.
Sixth Cavalry, headquarters and Companies A, C, H, I and K at Fort Wingate, N. M.; Companies D and L at Fort Stanton, N. M.
Tenth Cavalry, headquarters and Companies A, B, H and I at Fort Apache, Ariz.; Companies C, F and G at Fort Grant, Ariz.; Companies I, L and M at Fort Bayard, N. M.; Company E at San Carlos, Ariz.; Company K at Fort Thomas, Ariz.
Ninth Infantry, headquarters and Companies B, C, F and I at Whipple Barracks, Ariz.; Company D at Fort McDowell, Ariz.; Company B at Fort McDowell, Ariz.; Company B at Fort Fort Wingate, N. M.
Tenth Infantry, headquarters and Companies D, F and I at Fort McDowell, Ariz.; and Company K at Fort Wingate, N. M.
Tenth Infantry, headquarters and Companies D, F and I at Fort McDowell, Ariz.; and Company K at Fort Wingate, N. M.; Companies C and H at Fort Wingate, N. M.; Companies G and H at Fort Thomas, Ariz. Indian scouts are stationed as follows: Company I at Fort Thomas, Ariz. Indian scouts are stationed as follows: Company A at San Carlos, Company B at Fort Wingate; Companies E and F at Fort Apache. Total number, 145.

NATIONAL GUARD.

What It Consists Of and How Of-

The First Brigade N.C.G., with headquarters in Los Angeles, consists of 12 companies, distributed as follows: Three companies in Los Angeles, two in San Diego and one each in Ventura, Pasadena, Pomona, San Bernardino, Riverside, Auaheim and Santa Ana, Brig.-Gen. E. P. Johnson commanding, Lieut.-Col. L. S. Butler, A.A.G.; Lieut.-Lieut.-Col. L. S. Butler, A. A. G.; Lieut.-Col. W. S. Cochran, surgeon; Maj. C. C. Alleir, inspector; Maj. E. L. Stern, ordnance officer; Maj. George H. Bonebrake, paymaster; Maj. A. W. Barrett, quartermaster; Maj. A. W. Barrett, quartermaster; Maj. G. Wiley Wells, judge advocate; Maj. Cyrus Willard, engineer officer; Maj. H. M. Russell, inspector of rifle practice; Maj. M. T. Owen, signal officer; Maj. George M. Dannals, commissary, and Capts. H. Z. Osborne and A. C. Jones, aid-de-camps. There are two regiments of six companies each, the Seventh in Los Angeles, and the Ninth not yet mustered. The annual allowance to each company is about \$1750. This money goes to the companies direct, and is disbursed for rent of armories and other expenses. of armories and other expens

Governor, Col. Charles Treichel. Treasurer, Maj. Adolph Erdman. Surgeon, Maj. Herman E. Hasse. Sergeant-Major, John C. Morris, late Company A, One Hundred and Eighty-

first Ohio Infantry.

Quartermaster Sergeant, George E. Wise, late Acting Ensign, United States Navy.

States Navy.
Commissary Sergeant, William R.
Roberts, late Company K, Twentyeighth Illinois Infantry.
Dining-room Sergeant, William W.
Owens, late Company C, Seventh California Infantry.
Sergeant of the Guard, John H.
Rice, late United States Navy.
Chief Bugler, Alpha Ohcks, late
Company F, One hundred and Fortysecond Illinois Infantry.
Sergeant of A Company, J. N. Armstrong, late Company A, Gray's Battery.

Sergeant of B Company, Samuel B. McCall, late Company E, Third Iowa

Sergeant of B Company, Samuel B. McCall, late Company E, Third Iowa Infantry.

Sergeant of C Company, William B. Clothier, late Company E, Fourth California Infantry.

Sergeant of D Company, Madison W. Criss, late Company I, Eighty-eighth Indiana Infantry.

No members present, 414; members on furlough, 39.

This home is situated in Los Angeles county, about three miles from Santa Monica. It commands a magnificent view of the ocean in front, and of the mountains in the rear.

The first two barracks were not completed until the middle of March last, and before the end of that month they were fully occupied. Previous to that time nearly one hundred old soldiers were being cared for as well as circumstances would permit in a temporary building which had been hastiy improvised for the purpose. By the end of June two more barracks were completed, and these also were soon filled.

These buildings are designed for 100 men each, but no old soldier has everyet been turned away because the home was full, and they are now overcrowded.

crowded.
The buildings thus far erected are: crowded.

The buildings thus far erected are:
Four barracks, a temporary but ample and comfortable dining-room, a kitchen with all the latest and most approved appliances for cooking, and recently a bakery. Also a carpenter shop, paint shop, work rooms for tailor, saddler, shoemaker, tinsmith, plumber, blacksmith, engineer, machinist, etc. An ample supply of pure and wholesome water is assured. It is brought to the home in pipes from a spring in the cafion, a distance of over five miles. In connection with this work a service reservor has been built with a capacity of 400,000 gallons. It is also the intention to build a storage reservoir to hold 200,000,000 gallons,
On the 30th of June last the general work of construction was necessarily suspended, no further appropriation for that purpose having been made by Congress. Some wants, however, which are considered absolutely indispensable, will be supplied without waiting for the next appropriation. A

congress. Some wants, Inowever, which are considered absolutely indispensable, will be supplied without waiting for the next appropriation. A building for postoffice and store is almost completed. A library will be commenced immediately. The building for this purpose will be used for post and other society meetings, and also for religious services.

While members of the home are not required to work, they are encouraged to do so, and are given the preference in every case, provided they are physically and otherwise able. The rate of pay is uniform at all the National Homes, and is fixed by the Board of Managers. In the month of November there were 140 names on the pay rolls; of these all but 12 are members of the home.

The work thus far accomplished has necessarily been confined to providing those things which were actually necessary for the comfort and health of the members. Their amusement and pleasure will be the next consideration.

INTERNAL REVENUE.

Details of the Collections at the Los Angeles Office.

Guy B. Barham, deputy collector of internal revenue for the First District of California at Los Angeles, gives the following figures of transactions of his office from November 1, 1888, to No vember 1, 1889. This does not include penalties or amounts paid in settlement of seizures, which are remitted directly to the collector in San Francisco. These amounts do not cover immense quantities of brandy made here and shipped in bond to other dis-

tricts. These are therefore the local collections of Los Angeles: Tax pass stamps sold.....
Beor stamps sold.....
Cigar stamps sold.....
Special tax stamps sold..... .. \$147,881 00

The tax on cigars is 30 cents per 100, and the stamps sold show the local manufacture to be 2,584,100.

UNITED STATES LAND OFFICE.

Resume of the Business for the Year 1889. United States Register Polk furnishes the following:

With this I beg to hand you a state-ment of the business transacted in this office during the current year, up to December 17, 1889, and from which it will be seen that the total number of acres sold was 161,444.56, and the amount of money received therefor, and also the other various accounts mentioned in the statement, was \$98,

This includes all the business that was transacted for the time mentioned from which the Government derived a revenue.

In addition to the above transactions, there were filed, during the year 1889, 388 affidavits of contest; 81 cases were heard in which both parties apwere neard in which both parties appeared, and 70 cases in which default was made and ex parte testimony taken. There were more than 100 decisions rendered, some of them in cases that had been heard during the

cases that had been heard during the previous year.

As will be seen from the foregoing, a great deal of the work of this office is on contest business, and, by reference to our docket, we find that there is a case set for every day to March 2, 1890. Very respectfully,

I. H. Polk.

Statement of business transacted in the United States Land Office at Los Angeles, Called gring the year 1889:

Angeles, Cal., during	the year	1889:
and the second	Acres.	Amount.
231 preëmption entries	29,038 73	\$45,484 20
119 commute 1 homestead		*******
entries		27,755 98
30 excosses		887 57
24 sales timber land		5.568 83
21 sales m neral land		2.285 60
10 sales desert land		2,100 (9
444 homestead entries		7,738 60
137 fina homesteads		1.265 70
179 timb reul ure entries.		2,266 00
		2,200 00
32 preëmption declara		1.049 00
t 008		27 00
9 homestead declarations		193 00
19 min'ng applications		
24 tuaber applications		240 00
Timber depredations		ro 00
3 coal land dec arations		9 00
3 military bounty land		
warrant focat ons		12 00
3 mining protests		80.00
16 state selections		00 93
8 railroad selections		75 30
reducing testimony to		
wr.ting		815 93
,		
Totals I. H	161.444.56	\$98 884 89
T H	BOLK H	noniver

THE POSTOFFICE.

Immense Business-Striking Increase Over 1883. The receipts of the postoffice for 1889

amount to nearly \$20,000, being an exceptionally large increase over the previous year.

During the past year the office has received and dispatched over 550 sacks and pouches of mail daily, equal to 16,000 a month, and amounting to 192,000 sacks and pouches of mail received and dispatched during the year. Averaging each sack and pouch at 40 pounds the amount of mail handled would be equal to 3840 tons.

Upwards of \$1,000,000 has been handled in the money order branch.
Twenty-five thousand money orders and 9000 postal notes were issued and

a much larger amount paid. In the registry branch 16,122 letters and 3890 packages have been registered, and 21,248 registered letters and

packages delivered. of deliveries by carriers of the Los Angeles postoffice for 1888 and 1889: ollowing is a comparative statemen Year ending, Year ending.

Registered letters.	6715	12.526
Letters	2,553 879	3,243,864
Postal cards Newspapers, circuit	236,737	341,813
etc	1,8)7,063	2,194,376
Totals		5,793,579
Total pieces ma rier, year end Total pieces ma	ing Nov. 30, 189	5,792,579
	ng Nov. 39, 1888	

Total increase of pieces delivered. . 1, 138, 185

Angeles postomee:
Year ending, Year ending, Nov. 33, '88. Nov. 30, '89. Letters. 2,603, 769 3,399,967 Costni cards 414,485 642,841 Newspapors. 202,499 273,97
Totals3,400,684 (216,765) Total pieces ma'l collected, year ending Nov. 30, 1889. Total pieces mail collected, year ending Nov. 30, 1888
Total pieces of pieces collected. 816,081 Total pieces of mail handled by carriers in 1889. 12,009,344 Total pieces of mail handled by carriers in 1889. 8,055,078
Total increase of picces handled 1,954 266

MARITIME

Report from the Collector of the Port of Wilmington. Report of the Port of Wilmington, Cal., for the year December 1, 1888, to December 1, 1889.

Steamers, number	475
Schooners, number	99
Chine mumber	. 04
Ships, number	18
Barks, number	14
Barkentines, number	(
Brigs, number	1
saidal mampotimismismismismismismismismismismismismis	
Madal	
Total	018
Domestic tonnage, tons 4	41.753
Foreign tonnage, tons	47,747
Total 4	89,500
Imports:	00,000
Lumber, feet 48,9	24,000
Coal, tons	73.01
Merchandise, tons	29.090
Ties (railros i), tons, 9	62,550
Coke tone	
Coke, tons	250
Caustic soda, tons	. 63a)
Live sto k, head	3.74
Exports-all domestic, no record	
Exports—an domestic, no record	

Collections for year, \$58,660.23. EDUCATIONAL.

CHURCH AND PRIVATE INSTI-TUTIONS OF LEARNING

University of Southern California St. Vincent's- Los Angeles Col-lege — Harvard Academy — Baptist College, Etc.

OS ANGELES has, in addition to the comprehensive system of public schools (referred to elsewhere), a number of educational institutions under church patronage and private, of which the people may well feel proud. They are here briefly described:

The following is a brief outline of the University of Southern California: Rev. M. M. Bovard, D.D., president. This institution is under the patronage of the Methodist Episcopal Church. It has several colleges already in operation, each largely endowed, and several others projected, endowments in part provided for.

Of the colleges of the University now

or the colleges of the University now in operation the following may be briefly mentioned:

College of Liberal Arts, located at University Place, West Los Angeles, Rev. F. B. Cherington, D.D., dean, supported by a large and efficient faculty. Two large, commodious and elegant buildings, free of debt, are occupied by it.

uity. Two large, commodious and elegant buildings, free of debt, are occupied by it.

The College of Modicine, located on Aliso street, J. P. Widney, M.D., dean, aided by a large and finely-equipped faculty. The building is large and well adapted to the wants of the institution, and is free of debt.

College of Theology, located at San Fernando, Rev. R. S. Maclay, D.D., dean, aided by an able faculty. The building is a fine one, the gift, free of incumbrance, of Senator Charles Maclay, who also gave the large land endowment which supports the college. College of Agriculture, located at Ontario, W. S. Randall, Dean, with a strong faculty. The building is large, well-arranged and free of debt.

The seminary at Escondido opened October 1st, with Prof. C. A. Weaver and Prof. J. A. Morrison in charge. The school occupies a fine, large building free of debt.

Each of these five colleges has a good attendance and is in a flourishing condition.

ing condition.

ST. VINCENT'S

College for Boys and Young Men. Catholic

avenue and Washington street, is a boarding and day school for boys and young men.

It was founded in 1867, and received its charter in the year following. Its first site was on Sixth street. Now it is centrally located in the residence portion of the city, within easy access by street cars from any point, the new cable line passing the entrance on Grand avenue, and the Main-street line on Washington street, making it.

convenient for day scholars from all parts of the city.

The buildings are large, its halls and domitories lofty and spacious. The campus is extensive and furnishes abundant space for games and outdoor recreation. The institution is furnished with all modern conveniences, calculated to make the students feel at home and contented. Every effort is made to insure progress in studies. The system is simple, opposed to cramming the mind with useless or merely nominal branches.

The course is collegiate and commercial.

The collegiate course embraces En-

less or merely nominal branches.

The course is collegiate and commercial.

The collegiate course embraces English grammar, rhetoric, composition, history (ancient and modern), elocution, geography, arithmetis, algebra, geometry, trigonometry, surveying, differential and integral calculus, chemistry, natural philosophy, astronomy, logic and metaphysics, Latin and Greek. The Spanish, French and German languages are optional.

In the commercial course, besides the English language, arithmetic, geography and elocution, particular attention is given to commercial law and book-keeping in its various branches. Students who have completed the collegiate course in a satisfactory manner are entitled to the degree of bachelor of arts; and, after spending two years in the pursuit of scientific or literary studies, they can receive the degree of master of arts.

Commercial diplomas are awarded to the students of the commercial department on the satisfactory completion of their course.

The college, though presided over by Catholic priests, opens its halls to all, without distinction of creed. Whilst Students professing the Catholic religions convictions of non-Catholic students are never interfered with. A most strict and watchful care is bestowed on the moral training of the students. No offense against morality, in word or deed, is tolerated; the use of liquors and tobacco is strictly enforced. The officers of the present term are:

Very Rev. A. J. Meyer, C.M., president and professor of Latin and German.

Rev. M. Dyer, C.M., professor of logic and metaphysics and higher

man.

Rev. M. Dyer, C.M., professor of logic and metaphysics and higher mathematics.

Rev. L. P. Laudry, C.M., professor of chemistry, physics, French and arithmetic.

arithmetic.

Rev. J. J. Murray, C.M., professor of rhetoric, history, elocution and book-

rhetoric, instory, electrical and book-keeping.
Rev. J. E. A. Linn, C.M., professor of mathematics, Latin and English.
Rev. H. 4. Dockery, C.M., professor of commercial law, banking, arithmetic, stenography and Spanish.
Rev. M. J. Brennan, C.M., professor of mathematics, Latin, Grock and English brauches.
F. McNeil, C.M., professor of Latin and Greek.

and Greek.

J. Murphy is in charge of the primary

Prof. T. Wilde teaches plane and organ.

Prof. J. Gardner teaches the violin and other string instruments.

LOS ANGELES COLLEGE.

A Seminary for Girls and Young Ladies.

The preliminary steps for the organ-ization of a Christian school in this city, for the higher education of girls and young women, were taken in June, 1885. It was the design of the organ-izers to establish such a college as would afford for the Southern Pacific Coast a course of instruction for young women equal to that of the leading colleges in the East.

The institution was made non-sec-

tarian, though preëminently Christian. It is under the control of a board of trustees, elected without regard to church connection. The college was chartered under the laws of the State-of California, with full power to confer degrees, and it was formally opened on the second day of September, 1885, in a building erected for its temporary accommodation, noar the corner of Fifthard Oily streets.

commodation, noar the corner of Fitti-and Olive streets.

The growth of the school was rapid, and though many additions were made to the buildings, it was soon found that they could not be arranged so as to accommodate the numbers applying for admission. It was therefore necessary that a more commodious structure should be erected. Stock was subscribed by a number of our citizens,

Collections by carriers of the Los convenient for day scholars from all for the regular gymnastic drills, and parts of the city. ments.

ments.

Around the court and opening into it are the assembly-room, recitation-rooms and school halls. These are large and airy, and are adapted in evry way to the purpose for which they are used.

The bedrooms are 22 feet long by 12 feet wide.

The building is heated by steam, with a radiator in each room, and is lighted throughout by the Edison incandescent electric light.

Complete philosophical apparatus enables instructors to give all the experiments usual in the study of physics.

The study of physiology is pursued

periments usual in the study of physics. The study of physiology is pursued with the aid of a skeleton, mankin, and dissection of the different organs of the lower animals.

A chemical laboratory enables the pupil to master the study of chemistry by the aid of practical experiments. When practicable the classes are taken to visit and see for themselves the application of the principles of science in the manufacture of things of daily life.

the application of the principles of science in the manufacture of things of daily life.

There are 302 pupils in attendance. The faculty is as follows: Rev. D. W. Hanna, A.M., president, mental and natural sciences; Alice M. Broadwell, lady principal, history; Christine Moodie, literature and rhetoric; Mary C. Noyes, A.M., mathematics; Amy Saxton, assistant mathematics; Amy Saxton, assistant mathematics; Mary A. Roe, zoölogy and geology; Rev. J. C. Nevin, botany; Linda Carver, principal preparatory department; Laura Moore, primary department; Lucy S. Hanna, secretary. Department of ciocution, Kate Seaver Downs; W. Havermann, Latin; Rev. Charles Bransby, Spanish; Prof. A. H. Dietz, French; Herr Arnold Kutner, German; Adolph Willhartitz, piano, organ, theory and harmony; Bertha Butler, voice; H. R. Hamilton, volin; C. S. DeLano, guitar; Miss A. Werner, mandolin. Art department, Mrs. C. F. Merrill; Alice M. Broadwell, director of gymnasium; Martha Stewart, matron.

Harvard Military Academy. On the 19th of March, 1888, Harvard School was established, and opened to students by Profs. N. W. Murch and H. L. Lunt.

It was designed to provide thorough and careful instruction in English, and careful instruction in English, science and the classics—fitting its students either for college or business. The character of the school and the quality of instruction soon won for the institution a goodly number of students, which steadily increased till it became necessary to procure more commodious and convenient quarters. Fortunately in this emergency the St. Vincent College building, used as the United States Army headquarters, was soon to be vacated, and a lease was obtained of this building, which adequately supplies the wants of the school.

canned of this building, which adequately supplies the wants of the
school.

The college building is located on
the corner of Sixth and Hill streets,
directly opposite the postoffice. It is
accessible by street cars from all parts
of the city. The grounds comprise
two and ene-half acres of lawn admirably adapted for drills, lawn tennis, croquet, base-ball and other outdoor sports.

At this juncture it was deemed advisable to change in some respect the
character of the school by introducing
military drill and discipline, and by
opening a department of elocution and
oratory. This necessitated, also, a
change of name in the school, which is
now known as the Harvard Military
Academy.

There are over 125 students is attendance. The instructors are: N.
W. Murch (graduate of Phillips, Andover, Mass.), mathematics and science; H. L. Lunt. A.B. (graduate of
Bowdoin College, Maine). Greek, Latin.
English, book-keeping; W. Havemann,
A.M. (graduate of Gottingen, Germany), ancient and modern languages;
Godfrey Birdsall (of West Point),
mathematics and military tactics; H.
B. Small, assistant in English.

Los Angeles University.
This institution is under the patronage of the Baptist Church. The buildings, which cost about \$35,000, are located in a campus of 16 acres, just outside the city limits in the west. The buildings occupy a commanding view of the Sierra Madre range on the north, and of the Pacific Ocean on the west.

The college property is free from debt. One hundred and eight pupils were enrolled last year.

The faculty is as follows: Rev. J. H. Reider, president, intellectual and moral philosophy; Rev. H. C. Bristol, A.B., Greek, higher mathematics, book-keeping and commercial law; Miss Jennie Pomerene, A.B., Latin and German literature; Rev. T. N. Lord, chemistry, physics, rhetoric and Lord, chemistry, physics, rhetoric and physiology; Miss Emma Bennett, A. B., French, English literature and calisthenics; Mrs. Emma B. Reider, mathematics and United States history;

I. N. Inskeep, penmanship and free-hand drawing; Miss Bell Stites, draw-ing and painting; Henry Ludlam, elocution; Miss Emma F. Rider, M. M., instrumental music, voice culture, theory and practice; Miss Kate C. Rider, M.M., instrumental music.

Other Institutions.
Other educational institutions of the city are: Occidental University (Presbyterian), Rev. S. H. Weller, president; Ellis Villa College (young ladies), Prof. Henry Ludlam, principal; St. Paul's School, for young men (Episcopal), under management of Rev. Ellas Birdsall; Los Angeles School of Art and Désign, Los Angeles Conservatory of Music, Girls' School of Sisters of Charity, Boys' School of Santa Vibiana Cathedral, Woodbury Business College, Los Angeles Kindergarten, and numerous private schools.

CHURCHES, ETC.

Religious and Other Organizations of the City. Los Angeles contains 42 church or-ganizations, 39 of which occupy build-

ings of their own. They represent nearly every shade of every creed, have a fair membership and a steady healthy growth, and are well attended. The

following is a list of the	nty	churches
Presbyterian		
Methodist Episcopal		
Congregational		
Protestant Episcopal	-	www.rdsudse
Baptist		
Roman Catholic		
Christian		- M
Un tarian		
Lutheran (English)		
Lutheran (German)		
Lutheran (Swedish)		
United Presbyterian		
Methodist (German)		
Methodist, South		
Holiness Band		
Latter Day Saints		
Hobrew		
Beventh Day Adventist		
Free Methodist		
Salvation Army		
Swedish Methodist		

Swedish Baptist

SOUNG MEN'S CHRISTIAN ASSOCIA-TION.

Within the last year, this organization has occupied part of its new build-ing, situated on Fort street near Second, adjoining the California Bank building. Nearly \$80,000 has already been exd on this beautiful block, which when entirely completed and equipped

A practical work is carried on by this association among the young men of Los Angeles, varied and adopted to the needs of young men in general.

A lecture course, by the best talent obtainable, and entertainments of a high order are carried on during the season. The association is assisted in this work by the Ladies' Auxiliary of the association, composed of about 100 ladies, of which Mrs. J. D. Burch is

oblairnan.

Young men coming as strangers to the city are aided in securing boarding places in good families, and as far as possible assisted in securing positions. A monthly average of over fifty visits are made to sick young men, and in several instances young men, and in several instances young men have been interred by the association in its lot at Evergreen.

A gospel meeting for young men is held on Sunday afternoons at 4 o'clock, attended by about 300 young men.

The reading-room and parlor, open every day from 8:30 a.m. to 10 p.m., are largely attended, and form a pleasant home to strangers and others. Many of the most successful and prominent business men of the city are members of this rapidly-increasing organization, of which Mr. F. A. Seymour, M.D., is president, and Mr. A. C. Chipron is acting general secretary.

Other Christian and benevolent in-

And Mr. A. P. Chipron is acting general secretary.

Other Christian and benevolent institutions are: Woman's Christian Temperance Union, Young Women's Christian Temperance Union, Los Angeles Humane Society for the Prevention of Cruelty to Children and Animals, Los Angeles Orphan Home, Ladies' Benevolent Society, Italian Benevolent Society, Unione of Frattelanza Garibaidina, Order of Good Templars, Sons of Temperance, Ladies' Aid Society, Ladies' Missionary Society, Arnon Band of Little Missionaries, Flower Festival Society holds every year, in the month of April, a fostival lasting a week, at which the display and decorations are entirely of flowers and foliage.

The lady managers realize large sums

The lady managers realize large sums of money, which are expended in the The lady managers realize large sums of money, which are expended in the maintenance of the Woman's Home and the Woman's Exchange. For the former they have a large, handsome building, with accommodations for 70, where working girls and women can have a respectable home at a moderate price. The latter was established to provide a place for the sale of women's work, to furnish a mart where those women who have to support themselves or eke cart a slender income by small articles of manufacture, needlework,

embroidery, preserving, etc., may reach the public.
Following are the hospitals of the

city:
Los Angeles County Hospital.
Los Angeles Infirmary, conducted by
the Sisters of Charity.
St. Paul's Hospital.
Southern Pacific Railroad Hospital.
Santa Fé Railroad Hospital.
French Hospital.

MANUFACTURERS.

The Industries of Los Angeles City -Annual Product, \$3,154,593

Statistics compiled by the Board of Trade show that the manufacturing industries of this city turn out an annual product of \$3,154,593. These figures are compiled from only partial returns, and do not comprehend many of the heaviest establishments in the city.

According to the most reliable returns there are the following manufacturing establishments in Los Angeles:

٠.	Asphaltum works,
	Bakeries
	Beds and bedding makers
	Blacksmiths
Н	Book-binderies
	Bollermakers
1	Boot and shoemakers
Н	Boxmakers
•	Brass works
3	Breweries
2	Brick manufacturers
Н	Cabinet makers
i	Cane manufacturers
3	Carpet-beating works (steam)
H	Carriage and wagon makers
1	Wood carvers
ч	Cement works
ı	Chair manufacturers
ı	Cider manufacturers
	Cigar manufacturers
L	Coffee and spice mills
I	Cold storage and ice works
•	Confectionery manufacturers
i	Desk manufacturers
i	Desk manufacturers
ı	Dow and sash factories and pl'ng mills.
1	Dyeing and scouring works (steam)
	Dyeing and scouring works (steam)
	Electricians
	Electric light companies
•	Electrical apparatus manufacturers
	Electrotypers
	Engravers
•	Fireworks manufacturers
	Flavoring extract manufacturers
	Flour mills

Flour mills.
Founders and machinists.
Fruit-canning, drying and crystallizing.
Furniture manufacturers.
Galvanized iron workers. as companies.....as machine manufacturers ... Gas machine-manufacturers
Gilders ...
Gilders ...
Gioger ale manufacturers ...
Harness and saddlery works ...
Ice cream manufacturers ...
Iron foundries and works ...
Jewelers (manufacturing) ...
Laundries (steam and white labor) ...
Lime burners and dealers ...
Lithographers ...
Locksmitthe Locksmitts
Mantel manufacturers
Marble works
Mill builders
Milliners

Painters (house, sign and ornamental).
Paper hangers.
Paper manufacturers.
Patent medicine m mufacturers.
Perfumery manufacturers.
Perfumery manufacturers.
Photograph galleries
Pickle manufacturers
Pissterers (contractors) and whiteners.
Pork-packers.
Printers (book and job).
Publishers (including newspapers).
Rubber stamp-makers.

Rubber stamp-makers.
Screen manufacturers.
Seal engravers.
Sewer pipe-makers.
Sheet tron-workers.
Shoddy mills.
Show case manufacturers.
Stair-builders.
Stair-builders. Stair-builders.
Stamping and pinking works......
Stereotypers....
Stone yards...
Straw works. Tailors
Taxidermists.
Tent and awning-makers
Tin-can manufacturers.
Trunk-makers
Upholsterers
Vinegar manufacturers.
Water nips-makers

Water pipe-makers
Willow ware-makers
Window ware-makers
Windmill makers
Wire-workers
Wood enges

> Total..... IN A NUTSHELL

on hand and in other banks), July 1, 1889, was \$5,280,879.96.
The total assets of Los Angeles city and county banks, July 1, 1889, was \$15,571,798.78.

total assessed wealth of the

The total assessed weath of the State is \$1,111,590,979.

The total assessment of Los Angeles county, after equalization and deduction for Orange county, is \$84,376,319.

This does not include railroads, assessment the transfer of Equality of Equality and the County of Equality and the Coun sessed by the State Board of Equali-

sessed by the State Board of Equalization.

The total assessment set off to Orange county is \$9.270,767.

The rate of assessment for State and county purposes is \$1.50 on the \$100 in the city limits, and \$1.80 in the country.

The rate of city assessment is \$1.10 on the \$100.

The total outstanding bonded indebtedness of the county is \$751,520.

No floating debt.

debtedness of the county is \$751,520. No floating debt.

Total number of acres in Los Angeles county assessed, 1,652,928.

The fees of the County Recorder's office for the year were \$23,627.40.

The County Clork collected fees during the year amounting to \$44,011.12—an increase of 35 per cent. over the business of the year before.

The totall disbursements for carrying on the county schools during the past

The total disbursements for carrying on the county schools during the past school year were \$380,419.20.

Bonds to the amount of \$219,540.68 were sold during the year for the purpose of erecting and furnishing school buildings outside of the city of Los Angeles.

Angeles.
The total assessment of the city of Los Angeles, after equalization, is \$46,-

Los Angeles, area 2,997,101.

Graded and graveled streets constructed during the year in the city, 55,080 feet; cost, \$133,576.03.

Paved streets, 11,590 feet; cost, \$104,-027,70.

637.70. Sidewalks laid, 39,352 feet; cost, \$22,-

Sewers laid, 17,763 feet; cost, \$20,-

There are seven parks and a nursery belonging to the city, upon which was expended last year \$21,833.49.
The sum of \$200,000 in bonds was

voted by the city last year to furnish new school lots and buildings.

Number of school children in the city, according to Census Marshal's report, 10.786; number enrolled in the public schools, 8128.

public schools, 8128.

During the year 4771 volumes were added to the Public Library, and elegant new quarters in the City Hall have been fitted up.

The total expenditures this year (since April 1st) on the Library amount to \$21,428.46.

The police force of the city numbers 90 men, exclusive of the Chief and Matron. The arrests from January 1st to November 30, 1889, inclusive, numbered 3407.

Los Angeles has \$88, 99 inclusive.

Los Angeles has 888.88 inhabitants to each officer.

The city license collections amount to an average of over \$16,000 per mouth month.

to an average of over \$16,000 per month.

The total revenue to the city from sales of water amount to \$11,991.15; total expenditure, \$10,100.18.

The City Tax Collector reports total collections for the year ending November 30th, \$678,106.04.

Total number of building permits issued from August to November 30th, 194; total cost of improvements, \$759,575.

The total amount invested in buildings in Los Angeles during 1889 approximates \$4,428,019.

There were 166 fire alarms 4n 11 months, to December 1st, and the losses aggregated \$31,220.

In the decade from 1880 to 1890 Los Angeles has increased in population from 11,183 to 80,000.

The taxable wealth of the city has increased during the same period from \$7,627,632 to \$44,871,073.

The total number of transfers of real estate during the year was 18,545, aggregating in amount \$35,309,468.

The Southern Pacific Railroad Company forwarded 34,403,549 pounds of

aggregating in amount \$35,309,468.

The Southern Pacific Railroad Company forwarded 34,408,549 pounds of freight from Los Angeles station during the year.

Wells, Fargo & Co. report a freight traffic of 7,150,104 pounds.

There are 1050 telephones in use in the city.

The Postal Talagraph Company

the city.

The Postal Telegraph Company opened an office in this city last year.

The first two barracks of the National Soldiers' Home were completed during the year and the home established in full running order.

Six hundred and eighteen vessels of all kinds arrived at the port of Wilmington during the year. Domestic tonnage, 441,753; foreign, 47,747; total, 489,500.

489,500.

489,500.

The imports of lumber at the port of Wilmington were 48,924,000 feet; coal, 73,015 tons; merchandise, 29,690 tons; railroad ties (number), 962,550.

The collections of the port of Wilmington for the year were \$58,660.23.

From January 1st to December 1st there was no day when the thermometer fell below 32 degrees Fahrenheit (the freezing point). There were twenty hot days when the mercury climbed above 90 degrees.

The United States Land Office dis-

posed of 161,444 acres of land for \$98,-834.89.

The total internal revenue collec-

tions in this city for eleven months amount to \$147,881.

PETROLEUM.

The Production of Southern Cal-

Nearly all the petroleum deposits of the southern counties are situated in Los Angeles and Ventura counties, and which occupy an area of 250,000 acres. This important product is rapidly becoming one of the most val-uable in Southern California, the yield for 1889 aggregating in value \$1,200,000. Its utilization as fuel for manufacturing purposes has had much

to do with solving a vexed question in Southern California. Following is a report of the petro-leum produced in this State during the past 10 years, nine-tenths of which is produced in Los Angeles and Ventura counties. The figures represent gallons:

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1879																															1	56	8,	0	00
1880							į.												ì						Ī					1		76	8	0	(H
1881																						Ī				•				4	Ü	19	4.	0	0
1882						ũ		٠					-	0	Ü					٥	i	Ī	Ī			Ī	•			5	ŭ	40	3	U	O
1883																																			
1884		i	Ī	Ī.			i	i	:	:	Ī	•	i	i	i	ì	i		i	Ī	•	ì	Ī	i	i	ì		Ī	i	6	ŭ	00	0.	0	u
1885																																			
1886	Ī	_	1	:	•		-	Ī	3	i	:		Ï			:	•	•	:		Ī	•	0		1		•		ì	10	ů	95	U.	0	O
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1888					Ī	1	ì						ì		Ī				:		ū	Ī			:	•	Ī			15	ú	K	Ü.	U	O
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15,000,000
The value of this immense deposit of petroleum to Southern California can hardly be estimated.

As yet the supply is not sufficient for refining purposes and to supply all demands for crude at kome and to export. A pipe line to carry petroleum either from the fields of Santa Paula, Ventura county, or Puente, Los Angeles county, to the city of Los Angeles county, to the city of Los Angeles county, to the city of Los Angeles and some day will doubtless be accomplished. With such cheap transportation the price of petroleum could be reduced to such figures as to encourage the establishment of many manufacturing enterprises here.

The Sespe Company, already has an extensive pipe-line system from the vits wells to the wharf at Santa Paula, whence it is shipped by vessel to the refinery at Oakland.

The production of the several fields now in operation is placed by experts at the following figures:

District.

Dietriot.	No. Wells.	Daily Prod- uct bils.
Sespe Ex-Mission	. 25	800
Newhall	. 33	25) 120
Tower Cañon (new) Montecito.	. 3	130

to sink a well for development in the Simi ranch.

Wages. The following rates are obtained in Los

Angeles:

Housekeepors, per month ... \$25 00 to \$ 40 00 dirls (house servants), per month ... \$25 00 to \$ 40 00 dirls (house servants), per month ... \$25 00 to \$ 30 00 to \$20 0 Angeles: 1 . 25 (0 to -40 00 . 30 00 to 80 (0 . 30 00 to 80 00 . 3 00 to 4 0 . 20 (0 . 5) board).

Bakers, per month.

Butcher, per month.

Paper-hangers, per day.

No printers etc.

Book compositors, per M.

Ryening compositors, per M.

Book binders. 2 50 to 3 00

"Hub" of the Bean-growers. Saticoy, Ventura county, is the 'hub" of the bean-growing industry, and claims the blue ribbon for the largest shipments of farm produce made on the Ventura division of the Southern Pacific. There have been shipped out for the 12 months to November 1, 1889:

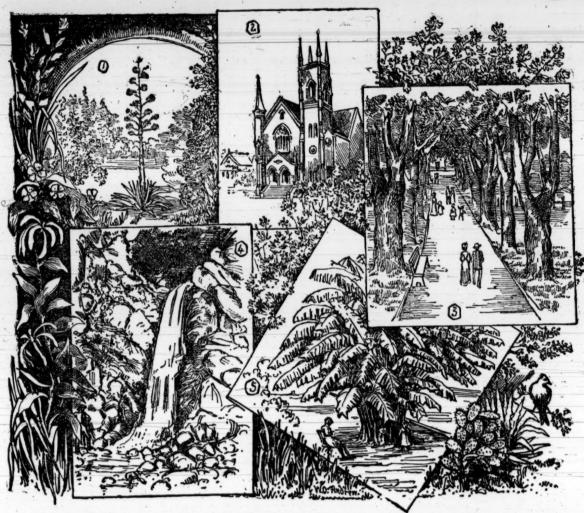
	rounds.
Beans	8,077,035
Barley	1,664,540
Hogs	500,000
Corn	340,350
Cattle	140,000
Sheep	80,000
For the month of November, 1889	
Reans	

Plans are under way by Frank J. Capitan, architect, for the following buildings to be erected:

. Approximate Portland cement factory, with capacity of 400 barrels output every 24 hours, in close proximity to Los Angeles... (Grain elevator capacity 250,000 bushels Arrangements are being made for the erection of a distillery, to be built at Los Angeles... J. K. Mollbenny, two-story brick stores and lodging, Marchessault street... S. C. Hubbell, two-story brick stores and lodging, Marchessault street... 75,000 5,500

Grand tetal..... \$315.300

SCENES IN AND ABOUT LOS ANGELES.



(1) Century Plant in Blossom. (2) Fort-street Methodist Church. (3) Central Park. (4) Edgar Cañon, San Bernardino Mountains. (5) Banana Plant, Bellevue Terrace, Pearl street.



(1) Abstract Company's Building. (2) New Courthouse. (3) Protestant Orphaus'. Home. (4) City Hall. (5) Bell Tower, San Gabriel Mission.

THE SAN GABRIEL.

THE FAMED GARDEN SPOT OF SOUTHERN CALIFORNIA.

The Foothill Country-The Towns Cities and Villages - Ranches, Fruit Interests - Climatic Conditions-Mountains and Canyons.

AN GABRIEL VALLEY is perhaps the best known section of all Southern California. Before the country was known or heard of as a health resort the Mission Fathers held possession, and by their enterprise, intelligence and power over the Indians made it the center of interest on this coast. The occasional traveler who made his way here in these palmy days found a royal welcome and a principality where a few men apparently controlled the entire situation. The old fathers selected the valley because of the richness of the soil, its

because of the richness of the soil, its fertility, its beauty, and, finally, because, as the old documents show, they considered its climatic conditions favorable to the attainment of extreme old age.

These reasons are the ones that a hundred years later caused the valley to be settled up, and today we find it dotted from one end to another with towns and villages, representing the best and most advanced phases of modern civilization.

The San Gabriel lies in Los Angeles county, extending for about forty miles

county, extending for about forty miles or more parallel with the Sierra Madre range; is about ten miles across, consequently embraces, roughly speaking, about four hundred square miles of surface, almost all of which is avail-

for agricultural purposes. he valley is almost completely

Pasadena Opera-house.

environed by mountains or lofty hills, the first adventurers finding no little difficulty in penetrating the rocky walls. Upon the north are the Sierra Madres, with parallel ridges extending for 40 miles or more away toward the desert; to the south and east the land gradually rises in hills, separating it from Pomona, while to the west and south the range of the Puente Hills constitutes an effectual barrier; the western side is protected by the San Rafael hills and the Arroyo Seco. In this natural basin or valley, greenwalled by mountains, we find ranches, groves of orange, lemon, lime, apple, pear, peach; in fact, an agricultural paradise, boundless "in its resources and possibilities. It may be divided into three distinct regions: that embracing the southeastern region, including Puente and neighboring towns, and famous for its alfalfa. Here the land is moist, water rising near the surface and being found the year round. This section is practically unfit for oranges, though some are grown there, it being premen nearly a farming and grazing country; several crops of alfalfa being grown during the season, while com and other grain are produced in great abundance. The region between this and the mountains, having an altitude of about 1000 feer, is general farming land, but includes the orange and other citrus fruits; the frosts found to some extent in the alfalfal ands not heir grains and season. is general farming land, but includes the orange and other citrus fruits; the frosts found to some extent in the alfalfa lands not being experienced here. This belt includes the finest towns and cities in the valley—Pasadena, Monrovia, Lamanda, Sierra Madre, San Gabriel, Alhambra and others. In the ranches of these places we find the fruits of nearly all zones: the pomegranate, apple, orange, peach and guava attaining the highest cultivation. Between this and the mountains we have tween this and the mountains we have a foothill area, with an allitude of from 1000 to 1500 feet, devoted to the culture of all these fruits—to beautiful homes and rauches and sanitariums for the benefit of those who require a

them, have decided climatic differences. The Puente region has more frost; is cooler in winter, and greener and fresher in summer. The middle region is perhaps the most popular, striking, as it does, an average, combining some of the features of all. The climate of the San Gabriel can be best described as a whole. Here one has an annual mean of about 61.75°. The January mean, taking Pasadena as a type, is about 52°; that of July 67°. When it is remembered that the valley is in the latitude of Wilmington, N. C., these figures will seem singular. Their significance is this: They offer to the outside world, to those who would escape the rigors



Painter Hotel, Pasadena

of the East, a winter without snow, ice, blizzards; where the temperature rarely reaches 32°, and the season is marked by agricultural activity, this being the time the grain is planted. Usually, at Christmas, oranges are about ripe, and barley is a few inches high; while February, the disagreeable, blustering month of the East, finds the San Gabriel richly tinted with wild flowers—a vision of loveliness.

East, finds the San Gabriel richly tinted with wild flowers—a vision of loveliness.

The July temperature, as shown, indicates that the summers are really cooler than those experienced by many cities in the East. To sum up, the climate of the San Gabriel permits a residence the entire year under conditions singularly favorable for the enjoyment of life and hefilth from one end of the year to another. In other words, it is not a seasonal resort like Bermuda, Bahama, Florida or Southern France and Italy, but offers something the year around. In this respect the climate of Southern California merits the attention of students of questions of health. It is becoming more and more evident that the majority of invalids require a residence in the given locality of a year or more. Returning north from Florida at the end of three or four months brings the invalid back to the locality where the trouble commenced, too soon; consequently, physicians now order a prolonged stay, and it is believed where the trouble commenced, too soon; consequently, physicians now order a prolonged stay, and it is believed that Southern California offers the best all-the-year-round conditions to be found. The test of a climate is seen in the record of the Health Officer, and the report recently made by Dr. W. L. McAllister, Health Officer of Pasadena, shows a remarkable state of things. The record besides Pasadena and vicinity included Monrovia or towns within the teu-mile range. The death rate for the year was 125; of these 48 were consumptives, nearly every one having come here with the disease. Taking these and with the disease. Taking these and the accidents from the list, we have a



Mariposa Villa, Pasadena

death rate of 71, which is about five per thousand, allowing 15,000 for the population of the ground covered. Out places we find the fruits of chearly all zones: the pomegranate, apple, orange, peach and guava attaining the highest cultivation. Between this and the mountains we have in foothill area, with an altitude of routil 2000 to 1500 feet, devoted to the alture of all these fruits—to beautiful omes and ranches and sanitariums for the benefit of those who require a nigher altitude.

These three zones, as we may call death rate of 71, which is about five per thousand, allowing 15,000 for the population of the ground covered. Out of the population of the ground covered. Out of the population of the ground covered. Out of these dreads diseases is unparalleled, and the Church of the Angels at Garwanz, the latter being one of the finest in its decoration in Southern California. The schools of Pasadena are well adapted to the requirements upon the term implies. It has no diseases peculiar to it; is comparatively free from those which claim so many victims in the East, and has a record in bringing back to health and strength hundreds who came here without hope a year we note the following points:

Episcopal Church, Pasadena.

In the East, with large and two local weekly papers published.

The claim of Pasadena are well adapted to the finest in its decoration in Southern California.

The schools of Pasadena are well adapted to the requirements upon them; are large and commodious, affording facilities for education for over 1200 children.

In a review of this beautiful city for a year we

hope, and to those who can come, and who have not put off the change, she offers a home amid fair surroundings and a very simple cure—life in the open air. The record shows that the valopen air. The record shows that the valley has more clear, sunshiny days than almost any known and tested locality. In describing the cities and townsof the San Gabriel it is intended to glance at them from the standing of today. Their histories have been told, the marvelous growth dilated upon, and every one is familiar with it. What the reader and tourist, the home-seeker, wishes are facts relating to the cities and towns of today. Are they growing, or are they going backward? What are the conditions of life there, and what am I to expect for myself and children? Some of these questions are answered in the following:

ing: In entering the San Gabriel Valley ing:
In entering the San Gabriel Valley from Los Angeles one comes upon Pasadena immediately, though the terms South, North and East Pasadena are given. The city lies at the head of the San Gabriel; hence the term, "Crown of the Valley." Pasadena embraces the country from the Sierra Madres six miles south, and from the Arroyo Seco five miles east, covering an area of 30 square miles, with fine ranches, elegant homes and villas. The city is laid out with regularity; fine avenues, as Orange Grove, Marengo, Euclid and Los Robles, extending north and south, leading to the mountains; while streets, broad and well kept, as while streets, broad and well kept, as California, Colorado, Walnut, Villa, extend east and west. In many cases these have fine pavements of cement, Orange Grove and Fair Oaks avenues being provided with walks of this kind for their entire length, and at least 50 miles of such payements are found for their entire length, and at least 50 miles of such pavements are found



Presbyterian Church, Pasadena.

over the city. The residence portion is divided into eastern and western, the business part being in a slight depression between them. The the business part being in a slight depression between them. The residences are in many cases large, costly and beautiful, reflecting credit upon the people for their taste. During the past year a number of elogant mansions have been erected; those of Mr. Stimpson and Mr. Chrystie on California street, Mrs. Green on Orange Grove avenue, the elegant residence of Col. II. II. Markham and others being specimens. In this respect Pasadena has shown a steady push to the front, and the improvements run up into many thousands of dollars, while a significant point is that all the new buildings are of a costly and expensive kind. Nowhere can homes be made so beautiful as here. With the semi-tropic foliage, palm, pepper, orange, lemon and lime to draw upon, and a wealth of verdure winter and summer, places can be given the appearance of age in a few short years. Pasadena, while eminently a city of homes and beautiful residences, is an important business center. Her banks—the First National, San Gabriel Valley, and Pasadena National—tell the story of her financial stability, while the business forms that find place here are similar to those of cities anywhere of this size. Here are all the societies, religious denominations found in the East, with large and handsome places of worship. This

An increased wealth in buildings, a rapid development in railroads, and a new interest in the development of agriculture. The city is now a railroad center, and has much in store in the future. The Atchison, Topeka and Santa Fé transcontinental line passes through the heart of the city, and there are two rapid transit lines approaching it from



Methodist Church, Pasadena.

Los Angeles; one of which, the Cross road, has formed an alliance with the Altadena line, and will ultimately become a through line to Utah. This latter movement is one of the most important of the year, and has great bearing upon the future outlook of the

important of the year, and has great bearing upon the future outlook of the city.

During the past year the city has been provided with an electric light system; Juany of the streets being illuminated, as well as houses, which, with an elaborate gas plant, gives every necessary facility in this direction. The hotels of the city are everything that could be expected in a health resort of this kind. The Raymond has a world-wide reputation and is crowded every season. The Painter, at a higher altitude, affords accommodations for 150 guests, while the Acme, Southern, Mariposa Villa, Marengo Hall and others amply meet the demand. The Webster is the new hotel of the year, and at the time of writing is preparing to open as a first-class house and one that will be a credit to the city in every respect. The city is well provided with sanitariums; those of Dr. Schumway, Dr. Gleason and Dr. Hodge, being well-equipped in every particular, and graded altitudinally to suit the demands of the patients.

The city of Pasadena is governed by a board of trustees, while a board of trade attends to other matters. It has a finely-equipped fire department. In the matter of newspapers it is well supported. The Los Angeles Times fills the morning field with a Pasadena edition, giving the news of the world and that of Pasadena at the breakfast



wealth to those interested in that

wealth to those interested in that branch.
What two women can do is well shown by the work of Miss Amos and Miss Hinman. These ladies were school teachers, and seeing so much fruit going to waste, they began to preserve it. Borrowing a small sum, they purchased glasses, and in a small way began the preserving of fruits, and now have a reputation that has gone into every. State in the Union; in other words, they have made a great success, of the venture, laving proved to business men that fruit-preserving could be made to pay in Pasadena at a time when conservative men doubted it.

The orange industry is too well known to speak of, but we may refer to the grove of William T. Clapp, on the corner of Orange Grove avenue and California street. Mr. Clapp, came here 16 years ago; planted trees on 30 acres, and by the ordinary care



Universalist Church, Pasadena

has a grove that produces a good in-

Universaist Church, Pasadena.

has a grove that produces a good income every year, the only care he gives it being that which would suggest itself to any farmer or ranchman. The orange pays every one, and the crop this year is larger than ever before. Mr. Gilmore, on the opposite corner to Mr. Clapp, sold his crop for \$1000, on the tree. In the East it would take a farm of twenty times this much acreage to produce this sum. There is nothing that cannot be made to pay here. Almost every fruit, grain or vegetable raised anywhere is found on these ranches and farms; the walnut, almond, peach, orange, lemon, lime and guava meeting here on noutral ground. Mr. James Cambell, president of the Park Nursery Company, stated to The Times that this industry was one that had a great future. The company has a fine experimental station at Linda Vista, where almost every fruit, flower or plant known is successfully raised, and the gentleman in charge, Mr. Leithead, is constantly making experiments to increase the flora of this country.

There is a lighter side to the city. Its social conditions are those of the East. It has its social clubs, its societies: The Valley Hunt Club, C. F. Holder, president; the Gun and Hunt Club, the Riding Club, the military company, and many more, all alive to the importance of providing pleasure for the people and the guests here. The city has a \$150,000 operahouse, a \$25,000 Public Library; in fact, almost every feature found in eastern cities of three times the size is found here, showing that while modern Pasadena is scarce three years old. ern Pasadena is scarce three years old



The Raymond, South Pasadena.

and the entire city is not two decades old, almost everything to be found elsewhere in the favored portions of the East finds place here. The city shows during the past year a healthy growth, and despite a period of depression, there has been an advancement on all sides, and the time in advancement on all sides.

vancement on all sides, and the time is not far distant when Pasadena and Los Angeles, as far as the outward eye is concerned, and in interest, will be one city, bound by bonds that will constantly grow closer.

THE VALLEY TOWNS.

Brief Sketches of Various Points About Pasadena SOUTH PASADENA.

While South Pasadena is in reality but a part of the city proper it is an incor-

porated town; yet in climate, productions and general conditions it accords with the portion already described. The city shows a gradual and healthy growth. The great and popular Raymond Hotel is in its northern borgrowth. ders, and by its presence adds to the attractions of the place.

The town abounds in ranches and homes. Here is the fine nursery of H. N. Rust, where thousands of orange, H. N. Rust, where thousands of orange, palm and other trees are raised. Near the depot a fine brick block has been built, and there is an air of prosperity about the entire town. There has been established near the depot a sanuarium, with electric baths, under the care of a distinguished lady physician, which is a great addition to the town and a convenience to the Baymond guests, who have been obliged to go to Los Angeles for conveniences of this line. The new rapid transit road passes through the place, and will be an important feature in its future. In its educational features, its churches, societies, the town is well abreust of other places of like size in the vallet, and offers every inducement to the home-seeker or tourist.

GARVANZA. This town, like others on the Atchison, Topeka and Santa Fé, shows a healthy growth during the past year. healthy growth during the past year. A fine schoolhouse has been erected, of such proportions and fine appearance that it might well be taken for a public hall. The Messrs. Campbell-Johnston have erected a fine brick and stone block, and made many valuable improvements, thus showing their faith in the town. The population is increasing here and there will be an increasing demand for houses and property. The most important public improvement is the erection of the Church of the Angels, on the property of the famous San Rafuel ranch, by Mrs. Campbell-Johnston. The building and its equipment cost over \$50,000, and is one of the finest in the State. Back of Garvanza lies the San Rafuel ranch, with its hundreds of acres, its winery, fine stock and pasturage—the choicest and largest ranch in the vicinity. largest ranch in the vicinity.
MT. WILSON.

A year ago Mt. Wilson was known simply as a peak 6000 feet high, oppo-



Pasadena Library.

site Pasadena. Now it is better known as the proposed site of one of the largest telescopes in the world. This instrument is to be placed here by the munificence of ex-Mayor Spence of Los Angeles and the University of Southern California. Harvard University has at present a telescope on the summit where astronomers have found conditions extremely favorable for their work. A company of Pasadena capitalists have commenced a trail to the summit which will be a toll road; passing through some of the finest scenery in the Sierra Madre range, affording glimpses of grand cafions, lofty trees and other curiosities which will well repay the lover of mountain-climbing. Besides the toll road there are at present two trails reaching the peak. Los Angeles men are prepared to open a hotel at the Wilson Park, 6000 feet above the sea, as soon as the road is completed, and next summer will probably see this accomplished. At present Mr. Peter Sieil is the host, keeping a large tent hotel. This was patronized last summer by over 2000 guests—a fact suggestive of the popularity of the place when it receives its equipment of a first-class hotel. The toll-road will be but the introduction of a cog road, which will carry passengers up the slopes after the fashion of the Mt. Washington road. Already such a road is talked of as an extension to the Altadena; the ground has been surveyed, and that it would pay goes without saying.

Other Towns in the Valley. site Pasadena. Now it is better known

Other Towns in the Valley.

LA CANADA During the past year the side valley of La Cañada has experienced an un-

trees as well, are loaded with fruit this season, the limbs being propped up in order to sustain the weight.

Mr. Pickens has built a handsome residence in the valley during the year, which, with the exception of some small houses, is about all the building that has been done.

The citrus fruits seem to be unusually thrifty in this vicinity, being clean and fine flavored. Cañada oranges compare favorably with those of Riverside or any other place in Southern

erside or any other place in Southern California.

California.

The prospect for the coming year is encouraging. Owners of large tracts will set out trees.

There is also a large area set out to bearing deciduous trees, which also do remarkably well.

An abundance of water for all purposes thus far gives the valley an advantage, and the prospect for the development of water in the future is good. La Cañada is prospering, and bids fair to become one of the best agricultural and horticultural districts in the county. in the county.

ALHAMBRA.
Alhambra's advance and progress during the last twelve months has been on a par with its reputation for being one of the most flourishing and solvent resident towns in California.

The buildings erected in this period.

solvent resident towns in California.

The buildings erected in this period, both public and private, are noted for their substantial and elegant character, and for good taste. The Baptist Church, built at a cost of \$3000; the bank building, \$6000; the residence of J. M. Elliott, costing \$12,000; that of G. B. Adams, \$4000, with others now in course of construction, are all indications of what homes, with their several accessories, can be made in California. The Public Library still continues to add to its volumes, having now 1200 books on its shelves. The bank, opened in March, with a stock capital of \$100,000, has proven a financial success. The schools have an average attendance of 170 pupils, instructed by four excellent teachers.

The elegant hotel, under a new management, has fully sustained its well-earned reputation, and has catered to the comforts of a large number of guests. The Village Improvement Society, reorganized, has instilled new life into the ornamentation and beautifying of homes and public places. The church organizations, Presbyterian, Methodist, Baptist and Episcopal, are all flourishing, having added many to their membership during the year.

The raising of citrus trees continues to be a leading industry, there being lunursery at present 140,000 budded orange trees, a great portion of which is contracted for early delivery. Alhambra was the second largest shipper of oranges by rair in California during the season of 1888-9-44.175 boxes being shipped over the Southern Pacific Rairoad alone. The amount of freight handled was 500,000 pounds, and 7918 tickets were sold at this station for the 11 months ending December 1, 1889. The large number of 3225 tickets were also sold at the San Gabriel Rapid Transit Railroad station in this place, covering same period.

The cultivation of citrus truits will

Transit Railroad station in this place, covering same period.
The cultivation of citrus fruits will as heretofore continue to be the lead-

as heretofore continue to be the leading industry. Extensive preparations have been made to set out a large acreage to oranges the coming year. The soil, location, unequalled water supply, accessibility to market and shipping facilities make it in every way particularly adaptable.

Alhambra has become such a combination of elegant homes, surrounded with semi-tropical foliage and highly cultivated orange orchards, with their symmetrical trees and luscious fruits, that it has attracted the attention of tourists and home-seekers to an extent that its hospitality is being tested more and more each year by the strangers that come among us.

SIERRA MADRE.

This beautiful little place has not only held its own during the year just passed but has made improvement.

Among residences constructed are those of Mr. Miller and Mrs. Tuffts, besides which Mr. Oleson has constructed a business block on Baldwin

avenue.

Sierra Madre never has made much pretentions to being a business place; being, in fact, a little town of delightful homes. Located at the very foot of the mountains it enjoys a magnificent prospect of the valley below and of the grand mountains at her back.

It is here that the trail starts up the mountains for the famous Wilson Peaks

Sierra Madre Villa is but a mile dis-

Sierra Madre Villa is but a mile dis sterra Madre Villa is but a fine dis-tant to the northward, beyond which is Abbot Kinney's well-known place. This is, the home of a number of well-known people who are highly classical in their tastes and accomplishments, being literary, musical and ar-

pipe lines and also the development of more water.

more water.

The orange crop this season is doing particularly well, the most of it having been sold already.

Splendid fruits of many varieties are raised at Sierra Madre, and some of the fine wines are manufactured on a small scale.

MONROVIA
is a city which has as much go-ahead spirit as any town in Southern Cali-fornia. It is here that a number of fornia. It is here that a number of prominent people have made their homes, among them being J. M. Studebaker, the famous wagonmaker of South Bend, Ind.; A. M. Lee of Cleveland, O.; J. I. Case of Racine, Wis., the manufacturer of agricultural implements and the owner of the famous trotter bearing his name; Hon. E. F. Spence and Judge Bicknell of Los Angeles, which latter gentleman is about to build a handsome home here.

One of the latest real-estate transactions was the sale of a 5-acre tract to Mr. Rider, who will set out the land in Navel oranges. This fruit is one of Monrovia's productions, in which the citizens feel a just pride. This includes Duarte, which is just over the townsite line.

clades Duarte, which is just over the townsite line.

New land is being broken and agricultural pursuits are furnishing the principal occupation to the residents. During the year I. K. Drew has built an elegant home here and J. P. Harvey will soon build near the residence of Hon. E. F. Spence.

The University of Southern California is soon to open a branch educational institution at Monrovia, and it is said President M. M. Bovard of the University in Los Angeles will make

is said President M. M. Boyard of the University in Los Angeles will make his home here soon.

Monrovia feels quite proud of her educational advantages, which are certainly excellent.

Speaking of "orange land," it can now be bought here, the best of it at \$200 per acre, with abundance of water for irrigation. It is positively asserted that the Monroe tract is producing Navel oranges at the rate of \$300 per acre, net. The trees are in splendid condition and are 4 years old.

The banks, of which there are two, report business quite good during the year, having been better during the last few months than in the early part of the year. Deposits are on the in-

of the year. Deposits are on the in-

of the year: Deposits are on the increase.

Among the enterprises which may bring this town into greater prominence the coming year is a fruit cannery, of which there is talk of establishing.

A large, two-story building, located originally near the Santa Fé depot, is now being moved a mile into the heart of town, where it will be utilized as a business block.

Monrovia expects to ship about eighty carloads of oranges this season, some having been already shipped.

Glendora is located practically at

Glendora is located practically at the eastern end of the San Gabriel Valley. Situated on elevated ground, it overlooks the entire beautiful valley

it overlooks the entire beautiful valley to the westward and southward. Glendora, once a boom town, is now settled down to business. Considerable farming has been done during the past 12 months, and more will be carried on the present year.

The discovery of good prospects in the mountains near town give encouragement to the citizens. A trail has been constructed over the mountains to the rich silver mines in the San Gabriel Cañon, and consequently Glendora will henceforth enjoy a portion of the trade of the mining district in the cañen.

AZUSA.

AZUSA

One of the busiest suburban towns One of the busiest suburban towns in the county is Azusa, at the mouth of the San Gabriel Cañon. Azusa does the largest railroad business of any town on the California Central between Pasadena and San Bernardino.

During the past year business has been quite good, showing an improvement recently, since the opening of the mines up the cañon. It is a favorite outfitting point for tourists, fishermen and hunters, who go up the beautiful and picturesque cañon.

A Y is now being constructed at Azusa, and the local train which now runs between Los Angeles and Duarte will hereafter make Azusa its eastern terminal.

During the year Mr. D. Tompkins has built a handsome residence here, but beyond this no buildings of consequence have been constructed.

Considerable areas of new land are being broken and setout to fruit trees. Real estate sales are not of infrequent occurrence, most of the purchases being made by actual settlers. The orange crop, it is estimated, will reach 50 carloads this season, many young trees coming into bearing this year. in the county is Azusa, at the mouth

young trees coming into bearing this

Taken all in all, Azusa feels confiusual era of prosperity. Not less than 300 acres of land have been cleared of greasewood and brush, and at least 50 acres set out to citrus fruit trees.

The orange trees, and the lemon ments, being literary, musical and artistic. Taken all in all, Azusa feels continued to the flow of the place are of greasewood and brush, and at least 50 acres set out to citrus fruit trees.

The orange trees, and the lemon and larger reservoirs, and the laying of farming, mining and a splendid prospect for manufacturing, having a splendid water-power in the San Ga-

THE EAST END.

In the eastern end of Los Angeles county, on the line of the California Central, are a number of small towns, Central, are a number of small towns, born during the boom, but which are now happily recovering from the reaction. The largest of these towns is Lordsburg, where stands a large and handsome building, designed and constructed for a hotel, now vacant, but which will soon be occupied, as the Dunkards have purchased a tract of land and the hotel at Lordsburg, and will establish a collegiate institution there.

there.

The other towns of this section are
La Verne, San Dimas and Claremont,
which are all situated on the line of the
California Central. Each has a fine
hotel, and a number of residences, and a store or two. These towns are all the result of the boom, but the mest pleasing feature about these "boom centers" now is that—considerable areas of new land are being cleared and broken. Old lot stakes are being and broken. Old lot stakes are being plowed up, the land cultivated and set out to deciduous and citrus trees. Large tracts are being seeded to bar-

ley and other grains.

An abundance of water in this section is favorable to agricultural pur-

Little or no building has been done in this section during the year. In fact, a number of small cottages, which were built here during the so-called palmy days, have been removed to sites on ranches or to adjacent towns. However, a new era of substantial progress is being inaugurated in this section, and the prospect for future section, and the prospect for future increased prosperity is good.

POMONA,

THE "SIRLOIN" OF THE FAT SAN GABRIEL REGION.

Compact Sketch of a Solid Young City-The Home of "Murchison" -Lands, Water, Prices and Products.

OCATED 31 miles east from Los Angeles, 49 miles east from the Pacific Ocean, and 35 miles due west from San Bernardino, is the thriving and comparatively new city of Pomona. The city is located in what is locally known as the Pomona Valley, but more properly known as the larger San José Valley, which, in turn, is the eastern end of the great San Gabriel Valley. The last-named valley is famous for its royal scenery, and especially for its rare fertility. The Pomona Valley is popularly called

THE "SIRLOIN" OF THE SAN GABRIEL.
There are few places located amid There are few places located amid such captivating scenes as Pomona. To the west the view to the ocean is unobstructed, over a level country to the ocean; on the north the Sierra Madre Mountains, with their snow-capped peaks about nine months in the year, and their great cañons, flank the valley; on the east the San Bernardino Mountains, also snow-capped, stand like mighty sentinels, while on the south the San José hills, famous in romantic story, legend and poetry, rise as a graceful background to the scenery of the valley. San Antonio, the largest as a graceful background to the scenery of the valley. San Antonio, the largestof any in the Sierra Madre Mountains, is easy of access to the Pomona people; and then there are San Dimas and Live Oak Cafions, with their rushing streams of water and millions of wild flowers all the year round. Charles Dudley Warner, the famous author and editor, says that for a combination of scenery, fertility, balminess and manifold products, he considers Pomona Valley the best locality he has ever visited in his travels over the world.

THE CITY OF POMONA
itself is but eight years old, and its

itself is but eight years old, and its growth has been marvelously rapid. The population of the place is not less The population of the place is not less than 5300. At the last election in Pomona, 1183 votes were polled, and because of residence for a period less than one year, many citizens were unable to vote. The population consists almost entirely of Americans, nearly all of whom came from Iowa, New York, Maine, Massachusetts, Pennsylvania and Illinois.

boots and shoes, music, stationery, general merchandise, millinery, jewelry, notions, feed, furniture, paint and fruit stores in the place. The city is supplied with three separate street railroad lines, and an excellent operahouse, two public halls, a public park beautifully adorned with semi-tropic plants, shrubs and fountains, and a new City Hall. plants, shr City Hall.

THE EDUCATIONAL FACILITIES of Pomona are exceptionally good, and the people of the place boast of and the people of the place boast of their public-school system. This consists of a large central school and five ward schoolhouses. The academic system of education is the one pursued in Pomena. Besides this there is the Congregational College, located at Claremont, three miles north of Pomona. This institution has met with uncommon success. It has in attendance over 100 students, and it liss an endowment of \$72,000. The Gollege building cost \$38,000, and a new building is now in course of construction at an expense of \$55,000. Rev. C. B. Sumner is president of the college, and there are eight instructors under him.

FRUIT-GROWING. The industry of Pomona and her en-The industry of Pomona and her environs is that of fruit-growing, and, considering how young the place is, it is wonderful the way the land has been planted to orchards. There are now 2100 acres of oranges planted within a radius of five miles from Pomona, 320 acres of lemons, 1400 acres of prunes, 900 acres of apricots, 1150 acres of peaches, besides about 400 acres of figs. nectarines, olives, walnuts, pears and almonds. The assessed valuation of the fruit interests of this same territory was \$1,240,000 this year, and it has increased \$280,000 since April, 1888. The greatest planting of orchards ever known in Pomona Valley will take place this season. It is a low estimate that over 90,000 orange trees will be planted here before next May, besides quantities of figs, olives and lemons. The acreage of orange trees will be planted here before for the season of the seas figs, olives and lemons. The acreage of orchard property in the valley will no doubt be increased by 1400 acres before five months more pass. The market for the fruit of this valley is excellent. The Pomona Fruit Company has during 1859 canned all the deciduous fruit of the valley and has already sold every can of it in Chicago and Philadelphia. There are two orange and lemon-packing houses in Pomona, and they handle every pound of the citrus fruit. Another fruit canning company of San Francisco capitalists are planning to locate a cannery in the place during 1890.

THE VINE AND ITS PRODUCTS—

THE VINE AND ITS PRODUCTS - ORANGES.

The Pomona Wine Company, now one of the most prosperous companies one of the most prosperous companies of the kind in California, handles all vine products of the valley, and in 1889 has increased its capacity to over 450,000 gallons. The company has during the past year sold more wine in England than all-other wine companies in California put together. The output of oranges from Pomona in 1889 has been 97 carloads; but, with the acreage of orchard property now coming into bearing, the output of 1890 will be not less than 185 carloads. That means an income from That means an income from oranges alone of over \$120,000.

AN ABUNDANT WATER SUPPLY. The boast of the Pomona people is the water supply of the valley and the cheap and fertile lands. The water supply is from two sources—from San cheap and fertile lands. The water supply is from two sources—from San Antonio Cañon and from artesian wells. The domestic water comes from the artesian wells, all of which are over 300 feet deep. The water supply from the cañon is 1121 inches, or 14,573,000 gallons every 24 hours. The artesian water supply is 1083 inches, or 14,079,000 gallons every 24 hours. This gives the valley a total water supply of 28,652,000 gallons every day. The supply is so large that much of it cannot be used, and it is allowed to run to waste evon in the middle of the summer months. San Dimas and Live Oak cañons have streams of water that weuld furnish millions of gallens of water for Pomona Valley, but the water in them is not even—used. The average cost of irrigating an acre of land in this valley four times each year is 75 cents, and many orchardists pay at the rate of 40 cents an acre. of 40 cents an acre.

CHEAP AND FERTILE LANDS.

than one year, many citizens were unable to vote. The population consists almost entirely of Americans, nearly all of whom came from Iowa, New York, Maine, Massachusetts, Ponnsylvania and Illinois.

There are two great transcontinental railroads running through Pomona—the Santa Fé and the Southern Pacific. The city has a system of gas works, two systems of domestic water, eight churches, four of them very large and prosperous churches; three newspapers—the Pomona Progress, the Times and the Register. There are three hotels in the city, one of them, the Hotel Palomares, having been built at an expense of \$112,000. There are in the place 24 dry goods, hardware, grocery, crockery, drug,

contracted the sale of his Navel oranges at the rate of \$475 an acre: while Mr. Baldridge, who has a 60-acre Navel orange grove, has refused to sell his crop at the rate of \$460 an

while the value of many town lots in Pomona Valley has fallen from their boom valuations of 1887, there are absolutely no orange or lemon or prune or fig orchards in the valley that have decreased in value per acre.

INVASION OF THRIFTY SETTLERS At this writing the announcement has been made that a colony of 123 has been made that a colony of 123 Dunkards has bought 340 acres at Lordsburg, three miles north of Pomons, and in this valley. This colony will engage in fruit growing and will transform the Lordsburg Hotel into a Dunkard college. The coming of this careful, shrewd and industrious sect to Pomona Valley is hailed with satisfaction by the residents, for it means the settling up of a large tract of land and the beginning of the coming of great numbers of these people in a few years more.

years more.
THE FREIGHT SHIPMENTS from the Santa Fé and Southern Pacific stations in Pomona for the past 11 months have been 5,315,000 pounds. This is 30 percent, greater than for the previous 11 months. The detailed statement of the shipments is as fol-

ows:	ı
Vine Pounds. 1,147,600	
Canned truits	
Dranges 846,000	ı
Barley	
THE CLIMATE	

of Pomona is always wholesome, invig orating and delightful. The people are worthy, generous and pushing, and they one and all welcome all who come to reside or visit in the valley.

LOW MOUNTAIN PASSES

HOW THEY AFFECT OUR RAIL ROAD PROSPECTS.

Physical Features of the Southern Belt-An Able Paper by Dr. Widney on the Future of This Section.

HE following article, from the pen of Dr. J. P. Widney is republished owing to its great inter est and importance at this time, when so many new lines of railroad are seek ing entry into California:

so many new lines of railroad are seeking entry into California:

Radically different are the two models upon which Nature has planned the Atlantic and the Pacific slopes of the United States. Upon the Atlantic side, while she has uplifted a coast range, the long chain of the Alleghany and its continuations, she has placed it far back from the coast line, leaving a broad coast-plain, everywhere open to the sea and with no transverse ranges to divide it.

This plain includes within its long level reach the whole Atlantic tier of States from Maine to Florida. Everywhere the sea may be approached, overywhere are harbors, deep, safe; everywhere commerce may seek the sea by its choice between numerous competing ports; everywhere may be found a people who, but for old political prejudices, should be by Nature homogeneous; and back of them all the long range is open by innumerable low passes to the great interior vailey of the continent.

Upon the Pacific Slope all this is reversed. The rugged coast range of mountains, with jts various branches, and spurs for 1290 miles, a distance as great as from the east point of Maine to half way down the Florida coast, frowns down upon a surf fretted base, almost harborless, with here and there a half-sheltered, open sea-landing, an embarcadero, as the old Spanish called it, swept by the storms of winter, hazardous in summer.

Yet in the 1200 miles Nature has given three great outlets to the gar

Yet in the 1200 miles Nature has Yet in the 1200 miles Nature has given three great outlets to the sea. One where the Columbia, after forcing its way through the Sierra and the coast range, rolls seaward floods gathered in the heart of the continent.

A second, 600 miles south, where the Golden Gate opens out from the long Sacramento-San Joaquin Valley of Northern California westward to the ocean.

from each other, while the mountains wall in the continent from the sea, except at the three breaks mentioned. Between the Golden Gate and the Columbia the ways of the columbia wall in the continent from the sea, except at the three breaks mentioned. Between the Golden Gate and the Columbia the way is so rugged and the grades
so heavy that the one line of road in existence has been years forcing its way
over the mountains, while between
Northern and Southern California the
grades of the Tehachepi and the elevation of the pass—3872 feet—stand a
continual bar to commerce. Thus is
prevented upon the Pacific that coastwise land traffic which makes the Atlantic Coast homogeneous in its trade
development; and thus is enforced an
isolation and a distinct and separate
commercial and civil life, which will
give to these communities more of the
distinctive types of that old Greek life
which grouped itself in clusters of
allied cities about the shores of the
Ægean, the Adriatic and the islands
and coasts of Ionia. It is that old
Greek life which is coming again to
the shores of the Pacific.

Alike as these three great outlets
are in some physical features, in one
other, and to commerce a vital one,
they are totally unlike. One of the
physical laws of the earth's formation
seems to be that the highest ridges of
long mountain chains shall be opposite
the broadest portions of continents.

The Alps in Europe, the Himalayas
in Asia, and the Andes in South
America, are illustrations, and the law
holds good in North America. The
long chains of both the Rocky Mountains and the Sierra rise as they go
northward, reaching their greatest continuous, elevations opposite the midPacific regions of Northern California,
are in the area of the reach of the reacher devented the program and acceptance of the reacher devented the program and acce

tinuous, elevations opposite the mid-Pacific regions of Northern California, again to drop down as they pass on to the line of the Upper Columbia relains. It is the law of grades as determine by this midcontinental rise of by this midcontinental rise of the mountain chains which, when commerce seeks the sea, is within the last few years changing the old lines, and deflecting transcontinental roads northward and southward to tide-level, and away from the line which leads westward to the Golden Gate.

One railroad, forced by the exigencies of war, made its labored way across the continent by the central route to

cies of war, made its labored way across
the continent by the central route to
the sea at San Francisco Báy. All
others since then turn northward or
southward to avoid the great elevations and heavy grades. Instead of
the 7017 feet of the pass through
the Sierra by which the solitary line of
the Central Pacific reaches the sea at
San Francisco, the Atlantic and Pacific
enters Southern California through the
Soledad Pass at an elevation of only
2822 feet the Atchison, Topeka and
Santa Fé through the Cajon at only
2819 feet, while the Southern Pacific
on its way from Galveston to the harbor of San Pedro, and on a line commercially 800 miles shorter than any
other transcontinental road from tideother transcontinental road from tide water to tidewater, comes in by the San Gorgonio Pass at an elevation of only 2560 feet. These figures, much as they have meant in the fixing of the routes of

reassontinental lines in the past, are yet fuller of omen for the future.

In lands and possibilities of development, the southern of these three Pacific Coast divisions is by far the great-

Broad and rich as are the plains and valleys tributary to the Columbia, and to Northern California, broader and richer are those which are to build up the future of the southern division. South of the great curve of the Sierra lie not simply the 40,000 square miles of Southern California, but on for 700 miles further south stretches the long line of the peninsula of Lower California, which is geographically, as it must soon become politically, only a portion of the same territory. Shut off by the guit-from M-xico, almost untouched as yet by population, the southward sweep of the cool waters of the Kuro Siwo, which gives to the whole Pacific Coast its equability, here carries the climate of the Anglo-Teuton on and on until it touches the Broad and rich as are the plains and on and on until it touches the

tropics.

In area it measures some 60,000 square miles, while its continuous mountain chain with, like the Appenines of Italy, the long slope toward the west, and with peaks from 10,000 to 14,000 feet high, furnishes; when utilized, water to add 700 miles in length to the orange and vineyard lands of Box Angeles and San Diego. This peninsula in its future development must, owing to the long line of the gulf back of it, find its outlet by rail northward to the low passes of the San Gorgonio and its vicinity.

It is this peninsula, together with that portion of the present State of California south of the Sierra, which will furnish the full territory of the new State of Southern California.

Directly eastward of the low passes of the Southern Sierra instead of the wintry plains of the Upper Columbia or the arid reaches of the Central Pacific are the great alluvial valleys of the Colorado and the Gila, the latter spanning the continent almost to the waters of the Rio Grande, with thousands of square miles of cotton and sugar-cane lands, and the summer area it measures some

floods of the two rivers to water them, as the Nile waters the fertile soil of Egypt. Probably nowhere else in the northern hemisphere has the valley of the Nile so nearly its counterpart in area, in productiveness and in capacity for supporting a numerous population, as in the aggregate territories of these two great river systems and their tributaries. It is these—the plains and uplands of Santa Barbara, of Ventura, of Los Angeles, of San Diego, of San Bernardino and of Inyo, together with the long line of the peninsula of Lower California and the great interior valleys of the Colorado and the Gila, which make that empire which, almost unnoticed, is growing up on the southwest border of the United States; and it is here that, looking to the future, the greatest center of the Pacific Coast peoples must be found.

In harbor facilities for commerce, Nature has been more cherry to this

ter of the Pacific Coast peoples must be found.

In harbor facilities for commerce, Nature has been more chary to this southern division than to either of the others. Instead of the deep waters of Puget Sound or of the Columbia, or that almost inland sea of San Francisco Bay, she has only given to the south one natural land-locked harbor, that of San Diego, with 21 feet on the bar at low tide.

Yet she has given to the South, in compensation, a quiet sea, unvexed by that persistent northwest wind which lashes the northern coast, and, in addition to this, a long chain of islands at varying distances of 20 to 30 miles off shore, within whose protecting barrier stretches for nearly 200 miles a sheltered channel with quiet roadsteads, and the possibilities of artificial harbors at such points as commerce may negd, which would be impossibilities along the sterner northern coast.

At San Pedro, the seaport of Los

bilities along the sterner northern coast.

At San Pedro, the seaport of Los Angeles and the point at which the transcontinental traffic of several roads is now seeking the sea, the Government is building such a harbor. Already over \$760,000 has been expended. The work, when completed according to the surveys, will not only comprise the inner harbor, now almost finished, with a number of miles of water front and 16 to 18 feet on the bar at low tide, but will also include the outer harbor, with 60 feet of water and no bar.

When finished it makes the deepest

at low tide, but will also include the outer harbor, with 60 feet of water and no bar.

When finished it makes the deepest and safest harbor on the Pacific Coast south of Puget Sound. This port, with the broad plains of Southern California clustering about it, with its low passes to the heart of the continent, and beyond these the vast, fertile valleys of the Colorado and the Gila and their tributaries, and again beyond these the Rio Grande, with the number of roads, local and transcentinental, already centering about it, and with one line now running from tidewater to tidewater by a route commercially 800 miles shorter than any possible rivalist he key to the transcentinental, China and island trade of the future. That future is already foreshadowed in the fleet of coast and deep-sea vessels now plying in its trade, and which with each year is rapidly multiplying. The work of harbor improvement will be finished none too soon, for commerce even now crowds impatiently upon it.

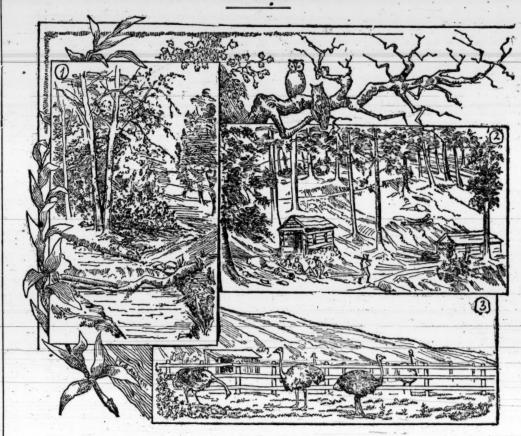
Raisins.

Raisins.

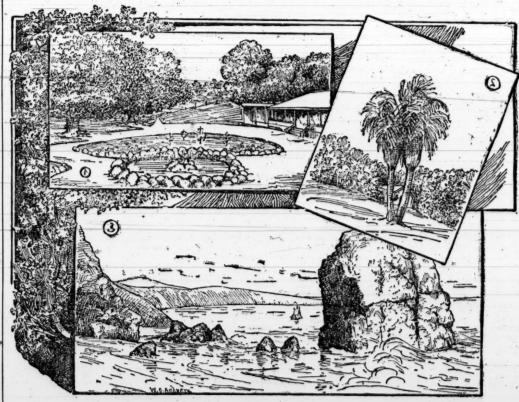
Raisins.

The raisin industry is one of the most important in the county, the rapid growth of which is demonstrated in the fact that the product is now at least 100,000 boxes per annum, as compared with 2000 boxes in 1880. Our raisins are now conceded to be equal, in every respect to the best Spanish Malagas or Dehesas by London and New York importers, as demonstrated by the fact that three carloads of Fresno and other California raisins were recently sold in London, England, at prices equal to those of the Spanish Malagas. Within the next five years Fresno and the southern counties of California will be able to supply the whole of the United States with this valuable product.

SCENES IN SOUTHERN CALIFORNIA.



(1) View in San Bernardino Mountains. (2) Miners' camp on "Baldy." (3) View at Kenilworth ostrich farm.



(1) Scene at "Kenilworth" (Los Feliz Rancho.) (2) Palm trees. (3) Coast scene.



Residence of William Lacy, East Los Angeles,



Residence of ex-Mayor W. H. Workman, Boyle Heights.

LAND AND ITS FRUITS.

AGRICULTURAL RESOURCES OF

Vast Capabilities of the Soll-Wide Range of Productions-Sub-trop-ical and Temperateclime Fruits.

OS ANGELES county's agricultural resources embrace everything known to a temperate or semi-tropical climate. The vast range of its soil, altitudes and other conditions make practicable the successful culture of all kinds of fruits, vegetables or grains that can be raised north of the tropics, and give it a variety of resources enjoyed by but a limited portion of the earth's surface. Not only is its geographical position conducive to this, but its diversity of mountain and plain, hill and valley

all, and a great portion of it was allowed to rot under the trees; now it is in active demand at good prices.

The lime, the third member of the family, is little raised here, except in hedges, for which purpose it is an excellent and beautiful plant. It is very sensitive to frost, and there is little market for the fruit, selling only at the bars, for which reason its culture is generally neglected.

The citron, fourth and last of the family so far as our local experience is concerned, is the tenderest of all, and the most neglected. Only a few experimental plants have been raised, just enough to show that our climate is capable of it; yet it is in good demand for preserving, and large amounts of it in that shape are annually sold in almost every grocery store in christendom.

The fruits above enumerated require granitic soil, plenty of water for irrigation and a dry air, as free as possible ration and a dry air, as free as possible

granitic soil, plenty of water for irrigation and a dry air, as free as possible from fog. The foothill region, back from the coast, is the favorite home of citrus fruits, and anyone engaging in its citrus fruits. its culture will choose such a location rather than the lower valleys.

The pomegranate is a fruit that

scorbutic, it does not seem likely that the market can ever be glutted.
The olive is of an odd family, being neither citrus nor deciduous, but is a very important one all the same, and is fast looming into prominence as one of the great products of Southern California. Ellwood Cooper has found fame and fortune in it, and the Kimball brothers are treading in the same path. The Times regards figs and olives as next to oranges and faisins, the great leading staples of the future of this country.
Guavas are a delightful little fruit, agreeable to the tasts and fine for table use. They are eaten fresh in much the same way as berries, and are also famous for jellies. There is a big future for them. They come in late, after other deciduous fruit is gone.

Lougats are generally mentioned in

Loquats are generally mentioned in connection with guavas. They are a beautiful tree and have a very sweet

beautiful tree and have a very should be som.

Wine grapes were one of the earliest products of the county, though more attention is now directed to raisins. They have been a very important factor in the development of the county, and, next to stock, made about the first article that we had for sale. Wine and brandy shipments date from a very early period of our history.

Raisin grapes are, next to oranges,

Wine and brandy shipments date from a very early period of our history.

Raisin grapes are, next to oranges, the most extensively planted of all our fruits, and their product has become one of the most important of the country, driving out the foreign article and bringing in immenses sums to the far-seeing planters who have raised them. The acreage in this fruit is increasing enormously, and it has all the United States for a market.

Berries grow abundantly and easily. Blackberries and raspberries have regular seasons, but the strawberry appears to bear almost all the year, and at this date—New Year's—is abundant in the market at 20 cents a pound. They are of immense size, fresh, plump and beautiful, and, of course, grown in the open air.

Of nuts, walnuts are the chief, and are very profitable, requiring little care and selling for a good price. They have brought this year 8 cents a pound by the crop. Probably a walnut orchard in good bearing is the best crop a man can have, requiring little or no care, almost exempt from disease or pests, and nearly always bringing a good price. They require rich land. Almonds are a more unreliable crop, good price. They require rich land.
Almonds are a more unreliable crop, being subject to great caprices of bearing. Chestnuts are getting started, though not yet thoroughly enough tested to ascertain their profit as a

Bananas are occasionally grown here, in especially favored locations—that is, locations especially free from frost for the banana really belongs to a lower zone than this, and its culture in anything more than an experimental manner is as yet problematical. Many fine specimens are found throughout the country, and they grow easily into large and beautiful plants. The ripening of the fruit is the sticking point, and success even in this has in many instances been attained.

Pineapples are a new experiment with our people. A number of plants have been imported and set, with favorable prospects. They thrive in Florida, and the probability is will do well here. zone than this, and its culture in any

The Japanese persimmon is a fruit which but a few years ago was a curiosity, then newly imported from Japan; but it has been so extensively planted and does so well that it is now quite common and the markets are plentifully supplied with it. It is a beautiful fruit, of a bright red color, and a tree full of it is a striking spectacle. It takes a frost to ripen it and a cultivated taste to like it.

We have doubtless overlooked fruits in this review; the above are those which most readily occur to us.

CEREALS. The Japanese persimmon is a fruit

CEREALS.

The cereals do well here; but as a rule are not much grown, because the land is worth more for other purposes. Land which will produce such able crops as oranges and walnuts. cherries do not, as a rule, do well here, but there are places where they do, as, for instance, Monte Vista, at an elevation of 1500 feet or more. They are a valuable crop, as we have few as good wheat as we can and on localities fitted for them, and the most that we use are imported from the northern part of the State.

Figs are a semi-tropical deciduous tree with a fruit delicious to the taste, most wholesome for the body—being the higher talleys are alleys are well adapted to even been made to the East for brewing. Oats are but rarely grown, though the higher valleys are well adapted to them. Corn thrives with wonderful luxuriance on the lowlands of the county, producing often a hundred bushels to the acre, and making stalks whose height it would be no use to relate to the Easterner. He would never believe it without seeing it.

Castor beans grow spontaneously when once started. They were cultivated in early times for the San Francisco market for making oil and oil-cake, but the rates of freight finally made it unprofitable and its culture was abandoned. Many of the plants

are left, however, as it is almost impossible to kill out, and along many a roadway may yet be seen, sturdy and thrifty, the disowned plants of the primeval farming of Los Angeles county. It is likely that they would still pay if oil mills were established here, so that freight would be saved, and it is quite likely that such will be done in the future and the castor bean be restored to its old rank as one of the industries of the county.

VEGETABLES.

VEGETABLES.

After this review of the climate and soils of the county, it will not be necessary to say that all kinds of vegetabies thrive luxuriantly. Indeed, the most of them are produced continu-

most of them are produced coatinuously, so that the time when they are out of market is hardly known to the consumer. Three crops a year of potatoes are grown, and some plants, like the tomato, do not die down in the winter, but grow on-from year to year. Peanuts do well, and their culture in that part of the county now divided off into Orange county has become an important source of revenue. They are of superior quality, too, and the having of "Santa Ana" peanuts in stock is a matter of just pride with any dealer. They are less oily than the eastern nut, and are solider and heavier.

THE DAIRY.

Los Angeles county is a paradise of dairy men. Not that it has cheap land for grazing, but that feed is so abundantly and cheaply grown that the cost antly and cheaply grown that the cost of supporting a cow is reduced to the minimum. The valley lands grow alfaifa luxuriantly, and so rapidly that a crop may be mowed every six weeks. This is No. 1 dairy feed, and, so much does an acre produce that it is calculated that an acre to the cow is plenty of land to have for the dairy. Sown to beets the yield is still greater, and a statement is lately published that an acre of beets will support four cows. The advantage of keeping the animals on so little land is obvious. The capital invested in land is so much the less and there is no waste time in it, less and there is no waste time in it, for it produces all the year round. The market, too, at Los Angeles is always

POULTRY

does well in skillful hands, and many people make a handsome income from it, though we are yet far from supplying ourselves. Los Angeles county is ing ourselves. Los Angeles county is a large importer of poultry and eggs from the East, and there is a big field at good prices, for the home producer. Eggs rarely go below 25 cents and often rise to 35 and 40. Chickens retail at an average of 75 cents and turkevs at 25 cents a nound. turkeys at 25 cents a pound.

BEE The apiary has from early times been an important source of income, It requires little capital, the land used being usually worthless for anything else and the little workers producing their crop out of what would be value-

less for other purposes. STOCKRAISING

was formally a leading industry of this country, but with the absorption of the land to other uses it will be readily understood [that it has been almost if not entirely abandoned. This, of course applies to grazing, and not to stock farms such as Rose's or Baldwin's, where high-grade animals are bred. bred.

FLORICULTURE

has been given some attention, though with no practical results as yet. There is something in it for the future, however, undoubtedly, and the making of perfumes and essential oils from the countless millions of fragrant flowers that grow either naturally or are so easily produced is only a question of time when skilled labor shall have been introduced.

FIGURES.

Figures are, unfortunately, very meager, nobody having made in this county the canvass which in San Bercounty the canvass which in San Ber-nardino county has been made by the Horticultural Commission and the Board of Trade, and which has afford-ed such interesting and valuable data for that county. The Assessor's eport

for 1889 shows these figures:	-
Beehives, 13,871	\$15,065
Brandy (gallons), 108,637	20,490
Butter (ponnds), 700	175
Calves, 4.551	37,440
Cattle (beef), 721	12,355
Cattle (stock), 17,100	197,565
Colts. 4.699	113,340
Cows (graded), 11,230	205,440
Conta 540	685
Wheat (tons), 1.704	34,040
Barley (tons), 2,603	16,985
Corn (tons), 1.217	8,080
Hay (tons), 9,376	37, 155
1102S. 0.100	19,330
Honey (pounds), 33,200	870
Harana (thoronghbrod) 909 .	85,875
Horses (American), 22,840	997,985
Horses (American), 22,840 Jacks and jennies, 74	1,540
Mules, 1,781	86,935
Oxen, 3	45
Poultry (dozens), 14,708	36, 180
Sheep (graded), 153,282	213, 195
Lambs, 8,743	4.910



broaden the scope of the fruits of its soil as much as would a thousand miles latitude in a level country like the Mississippi Valley. So the reader in far-off countries, perusing an account of Los Angeles' infinite possibilities, will find it to be rather that which he had associated in his mind as the resources of an empire than as those of a single county. It may be difficult for the people of narrower fields to conceive of the reality of this; yet it is literally true, and so far is the conscientious journalist from any desire to overstate it, that he would rather keep within bounds, state rather less than more than the truth, and prefer that the visitor find, when he comes, that the whole has not been told as, indeed, is often remarked upon arrival here.

To these advantages of the contiguity of two zones—the temperate and the tropic—and the diversity of its surface, Los Angeles county also adds the beneficial influence of a warm southern sea that is a conservator of both heat and cold, preventing extremes of either, and so is saved from the severe frosts of Florida and the intense heat of inland countries. The salubrity of a Mediterranean climate is added to the fruitulness of the tropics and the pleasures of mid-winter sun-bathing to the profits of an inexhaustible fertility.

FRUITS.

First in order of prominence, as broaden the scope of the fruits of its

FRUITS. First in order of prominence, as always attracting the first attention are the citrus fruits. Of these the orange is the principal, the oue great staple fruit of Southern Culifornia. It is advancing more rapidly in culture than any other, increasing enormously in area each year, and, strange to say, bringing better prices as the product is just the reverse of

grows readily, but has a limited mar-ket, for which reason it is little raised. except in hedges, for which it is a beautiful plant and admirably adapted DECIDUOUS FRUITS.

All of the deciduous fruits are grown easily and successfully, though some, such as the cherry, require

some, such as the cherry, require especially favorable locations.
The apple grows well and bears well. It appears to be freer from worm posts than formerly, and is of better size and flavor than those produced here in earlier years—evidently the result of improved cultivation. Winter apples bring a good price, the home-grown being now out of market and their place being supplied by imported ones at about 5 cents a pound.

Pears do well and meet with ready sale. They are a hardy fruit, can be kept some time and are valuable either for canning or drying. A delicious ar-

kept some time and are valuable either for canning or drying. A delicious article of pear syrup was in earlier years made here, which might profitably be revived, as it was a great favorite and met with quick sale.

Peaches and apricots are the leaders in deciduous fruits, as is shown by their proportion of planting—nearly five times that of any other deciduous trees. They are especially valuable for drying, and have a market that is not confined to the United States—selling extensively in England. The demand for them seems practically inexhaustible.

increases. This is just the reverse of the idea of glutting a market, and shows that there is no immediate prospect of everdoing it. This increase in price is doubtless due to an improvement it variety and the development of a greater skill in the production of quality.

The lemon is the second in importance of the citrus family, and, like the orange, has so much improved in quality under the fostering care of the Southern California huabandman that it has been raised from obscurity to prominence and favor. Five years ago the erop could scarcely be sold at

A. II. Denker, who has taken a commendable interest in this subject, informs us that the grain erop of 1889 was about 125,000 acres, and that for the coming year as much as that has been already planted, wifh a prospect that the aggregate will exceed it by 100,000 acres. Mr. Deuker puts the area of the county at 3,000,000 acres, of which 2,000,000 are srable land, and he thinks that the future great industry of this county is beet sugar.

FRUIT-GROWING,

Citrus-fruit Culture and the Situa tion in Southern California.

Slightly paraphrasing the "Song of the Brook" in Tennyson's exquisite idyl, well may Southern California

ms may come and booms may go.

for in her winterless clime, her cerulean skies and her balmy atmosphere is the "Elixir of Life" and the "Fountain of Youth," which old Ponce de Leon vainly sought amid the malarial everglades of Florida; and in her generous and fruitful soil a promise and a guarantee to the present and future gener ations of independence, prosperity and grandeur, of which the denizens of less favored regions of earth have never dreamed, and which we, her favored suns and daughters, as yet fail fully to appreciate,

But granting that God's primeval-curse clings to us even in this "western Eden," and that the "sweating" pro-cess must forever go on, let us look only on the "bread and butter" side of the question, and, judging of the future by the past and present, en-deayor to formulate a true and proper

of the question, and, ludging of the deayor to formulate a true and proper angury of the horticultural situation as it now is, and promises to be.

In the good old days of Don Benito, Wilson and William Wolfskill, and even later, the scalebugs of various sizes, colors and names unpronunceable came to molest and make us afraid. An orange and lemon orchard was a veritable gold mine to the fortunate possessor, and the little "perspiring" that was requisite in their care and cultivation was all done by a few Indian and Mexican laborers. Then followed Mr. S. J. Rose and others with large plantings, and about the year 1870 a regular citrus "boom" set in, and everybody able to procure one thousand, one hundred or one dozen trees set them out, and sat down to dream of golden fruits and golden profits; and well was their faith justified until the advent of the terrible scale pests, white and red, a few years later. More especially the icerya purchasi or cottony cushion scale, with its loathsome and irresistible advance, spread terror and destruction everywhere. It is needless to relate the determined and c stly fight made by most of our orchardists to stay its destructive progress, all without avail. It threatoned the destruction of every other tree, shrub and flower, as well as the citrus family. tion of every other tree, shrub and flower, as well as the citrus family. Then came a vague rumor that in Australia and New Zealand there was Then came a vague rumor that in Australia and New Zealand there was in existence some unknown parasite that could successfully cope with and annihilate the terrible scourge, and Mr. Albert Koeble of the Entomological Division was sent to investigate. It is said that but for the energetic assistance rendered by Mr. F. McCoppin, United States Commissioner to the Molbourne Exposition, who took the responsibility of advancing the funds necessary, the mission would have been a failure. To the Messrs. Spreckels, also, of the Oceanic Steamship Company, who generously took charge of and transported, free of cost, the various consignments on the long voyage through the tropics, the most heartfelt thanks and gratitude of our entire community are due. The Bristahree consignments were received by Prof. Coquilette in December, 1888, and January, 1889, attogether about 130 of the vedolia cardinalis or Australian lady-bug, and they were at once placed in tents encircling trees infected with the cottony cushion scale upon the premises of Mr. Joseph W. Wolfskill, on Alameda street, Los Angeles, and to the faith, energy and public spirit of that gentleman, ably and zealously seconded by the efforts of Prof. Alexander Craw and D. W. Co-Prof. Alexander Craw and D. W. Co-Prof. Alexander Craw and D. W. Coquilette, is more largely due than to any others the credit of distributing as rapidly and widely as possible this most invaluable parasite ever discovered, the savior of the homes of Southern California. During February also, Col. Dobbins and Mr. Chapman of San Gabriel received from Prof. Coquilette consignments of the vedolia, who, later in the season, distributed many colonies among surrounding orchards. In June the Los Angeles County Horticultural Commission, having been

created, decided to establish a propagating station at the orchard of Mr. William Niles, on Washington street, and several large orange trees were inclosed with canvas houses and large numbers of the vedolia in the pure and larve stages were procured and placed therein. Several hundred colonies were distributed free to the citizens of this county and a good many sent, on application, to Santa Barbarbara_Fresno, San Mateo and Contra Costa. It is estimated that at least 40,000 vedolias were distributed from this station alone. The effect was magical. Before the 1st of October the countless myriads of icerya had been annihilated, and only the empty filaments, like ghostly shrouds, were left in all the land to tell that they had ever been. Then almost as sudden as a meteor's flash vanished the vedolia. It was feared by many that they would all be lost, and steps were taken by the commission to preserve a fow, if possible, in tents during the winter. As had been anticipated, the white scale in many places began to make its reappearance, probably the eggs having been hidden in the sand and soil beneath the trees, and thus escaped the search of the ravenous vedolia. But almost simultaneously reappeared the beneficent parasite, and now they may be found in almost every orchard, "attending strictly to business," and the question of the "survival of the fittest" may be considered solved.

The rod scale is now the only formidable enemy to citrus fruit culture in Southern California, and it is confidently believed it will be soon under control, if not absolutely annihated. Although no effective parasite corresponding to the vedolia for the cottony cushion has yet been discovered, it is believed one will be, and in the mean time good results are being obtained by cutting back and spraying with various emulsions, especially some of the new, cheap and simple resin washes. Best of all, it is just at this writing absolutely demonstrated that the fumigation of trees with hydrocianic acid ras under proper conditions will destroy created, decided to establish a propa-gating station at the orchard of Mr. William Niles, on Washington street,

and other scale of lineset pest, and that at an expense of but from 20 to 40 cents per tree, according to size, one application being necessary only every two or three years. There is not a full-grown orange tree in Southern California that if restored to health and vigor will bear less than from five to ten boxes of fruit, and that means \$5 to \$10 per tree-from \$350 to \$700 per acre. Any horticulturist not willing to expend \$50 per acre, if necessary, per annum in fertilizing and keeping down insect pests, should at once dig up his trees and raise barley or peanuts instead. There is not the slightest doubt that the gas treatment applied to decidious trees infected with the San José scale will prove equally efficacious. So we trees infected with the San José scale will prove equally efficacious. So we may now consider the terrible insect pest question settled, and proceed to plant new orchards with the fullest confidence that we can enjoy the fruits thereof. The day is dawning, the clouds of darkness and doubt rolling away. What is the promise of the future?

future?

Probably a reasonably correct appropriate astimate of the whole number of the state of Probably a reasonably correct approximate estimate of the whole number of citrus trees now in orchard in the State (mostly Southern California) is about 3,000,000, or, in acres, a little less than 43,000. It is safe to assume that the number and area will be more than doubled within the next ensuing three or four years, and that in the year 1900 there will be in nearly full bearing 100,000 acres—7,000,000 trees—producing at least 25,000,000 boxes of oranges and lemons, or about 75,000 carloads. To move this immense amount of freight in 150 days (five months) would require 50 daily trains of 10 cars each. Probably before that time railroad transportation will be so cheapened that \$75 per carload to the different centers of population of the United States may be assumed as a fair estimate. 'Is there not great danger of over-production and a consequent glut of the markets?'' it may be asked. Not the slightest. In the year 1900, east of the Rocky Mountains, and including Canada, which we shall supply, there will be considerably more than 100,000,000 of inhabitants, giving less than one-quarter box to each person, and several millions of people west of the divide still unsupplied. In the year 1900 we shall be able to deliver our citrus fruits at all the eastern centers at \$1 or \$1.10 per box, and then they will want more than we can send them, and our orchards will continue to be worth \$1000 per acre and upward. They will want all the walnuts, prunes, peas, peaches, apricots and figs that we can send them at reasonable prices and of good quality.

Moral: Plant any or all of these trees if you have suitable soils and locations and can take good care of them. Don't be affâld of insect nests. but fight.

if you have suitable soils and locations and can take good care of them. Don't be afraid of insect pests, but fight them and conquer; don't be afraid of over-production; don't be afraid of the future!

ALBERT F. KERCHEVAL.
Los Angeles, Dec. 15, 1889.

MINES AND MINING.

THE COUNTRY RICH IN USEFUL EARTH DEPOSITS.

General View of the Subject--Valuable Minerals Lying Dormant
-- Fundamental Principles Discussed.

HE interest in all that tends to promote the development and utilization of visible resources, lying dormant around us. still (with unimportant exceptions) lacks proper appreciation, and little progress is being made toward their preparation and manufacture. If some seemingly commonplace thing is required, may be but a little chalk, a drug store is sought, the purchase is made, but who stops to make inquiry where the article came from. We might unthinkingly say it is a small affair and not worth our while to give it thought. Despise small things and fail to aggregate them, and we neglect the grasping of the possible importance that is in them as a multitude, and that astonishes us when we begin to that astonishes us when we begin to figure their variety and quantity, and our daily requirement of them in the affairs and wants of life. Suppose as a matter of curiosity an enumeration of some of these small things be made, such as the chalk, as an illustration. Its uses are many, and in order to demonstrate intelligently, not alone its especial importance—for it is small—but by analogy it leads to the consideration of other small things in great numbers, and, as a list, turns out to be formidable.

Its uses are for face powders, silver-

out to be formidable.

Its uses are for face powders, silverware polishing, drugs, chalk-lines in carpentering, for calcimining walls, and many other uses. One pound to each inhabitant per year would likely be a very conservative estimate. For 100,000 inhabitants, at an average of 5 cents a pound, would be \$5000 per year. Plumbago for stove polish, electrotype facings and other uses, say for the same population at only three ounces to each inhabitant, would be 18,750 pounds, which at 15 cents would be \$2,812.50. and other uses, say for the same population at only three ounces to each inhabitant, would be 18,759 pounds, which at 15 cents would be \$2,812.50. Baskets of all kinds, say only one to every 10 persons, at 30 cents each, \$3000. Bottles, large and small, tumblers and ordinary glassware, at \$1 per year only, for each inhabitant, \$100,000. Plates, cups and saucers; pitchers, etc., for a family of five persons, say 20,000 families, at \$5 per annum each is \$100,000. Writing inks, say 5000 large bottles, averaging 50 cents each, \$2500, small, 10,000 at 10 cents, \$1000.

How quickly these figures run up to colossal proportions! Only a commencement has been made and we have \$214,312 per year for articles that could be manufactured here, and still the sum named is only a very small portion of a vast aggregate.

It may be said we have no raw materials about us to make these articles! Let us see: There is a deposit of the finest natural chalk near Oro-Grande that is so pure and smooth that it is fit for face powder, even without treatment. Of plumbago there are several arge deposits of suitable quality. Willows of the kind used in basket-making can be grown here in any quautity desired. Sand of a quality pronounced by experts to be ample for most of the arts of glass-making is plentiful. Ka-olin of unusual purity and very

by experts to be ample for most of the arts of glass-making is plentiful. Kaclin of unusual purity and very white, for making white table queensware, comes to my laboratopy frequently from points not far from this city. So it is with most of the raw material needed to produce many of the wares and things used by us in our daily affairs. If some manufacturer would produce a number of articles instead of one, say quite a variety of small things, as a whole they would cover a larger field and enable such works to prove profitable by reason of variety.

For instance, suppose a small works For instance, suppose a small works started on a variety of materials of a somewhat kindred nature, i.e.: Chalk prepared for various uses; plumbago, stove polish, etc.; blacking for boots and shoes; French chalk for tailors' and shoe dealers' uses; plaster of paris (gypsum) for gas chandelier center pieces, wall finishing, etc. Here is a group of materials that could be combined under one roof and a good combined under one roof and a good deal of the machinery plant would handle at least three of the products without separate appliances. While, maybe, any one of these articles, except the plaster of paris, would not pay as separate productions, there is no question but what combined as a whole, they would be highly remunerative.

whole, they would be highly ative.

During the last year some attempts have been made to produce a marketable hydraulic cement, but the product has not been satisfactory. Materials, so far as analysis proved, of a proper

quality, somewhat widespread over several adjacent counties, were used in these trials. Most of the experiments made were based on the products of one locality or deposit by blending lime, silicates, alumina and magnesia, in supposably proper percentages. Some very good appearing coments were produced, setting under water, but in the course of a few days or weeks the set came out, and disintegration followed.

Whether these failures were the result of lack of practical knowledge or not on the part of the experimenters, or improper materials being used, would be difficult to determine.

A cement will likely be successfully

would be difficult to determine. A cement will likely be successfully made here without doubt, but not, probably, from materials all-coming from the same place or deposit. It seems to be well settled that the proper grade of stone will have to be taken from several localities, producing thereby a blending that would reduce to a quality desirable.

SMELTING WORKS.

Considerable talk has been indulged in relative to establishing smelting works at or near this city, in case of the construction of the Southern Utah Railway, with a connection to our tide-water. That railway line would trav-erse a great mineral field, and suffi-cient in extent to justify a reduction plant here.

cient in extent to justify a reduction plant here.

There are features, however, in connection with this subject that it would be well to consider.

If, as has been stated, great coking, coal and iron measures are to be tapped by this road, would not extensive works likely result at the mines for utilizing the iron and coal, and would not reduction works to cover the ores carrying gold, silver, lead, copper, etc., naturations. the iron and coal, and would not reduction works to cover the ores carrying gold, silver, lead, copper, etc., naturally cluster there, and would it not also be natural for a railroad company to foster and encourage them at that point, instead of allowing these products to come here, where at least two roads would seek to divide the transportation of products to eastern markets? Whoreas, by the other course, they would virtually monopolize coal, coke, iron, and every kindred industry, including transportation.

The Pueblo (Colo.) works reach out almost to our doors in their grasp for precious metal eres, having a freight rate covering some 1500 miles, at \$9 per ton. Under ordinary circumstances, we could at least hope to control transportation at a living rate on ores over the Southern Pacific and Santa Férailways; but the Utah project would again frustrate that possibility by controlling the fuel we would absolutely need for a successful solution of the question.

question. Local efforts are being made to man-Local efforts are being made to manufacture plaster of paris for use here. The trouble has been to find a sufficiently pure gy, sum of uniform white color and quality. Many deposits have been prospected and analyzed, but most of them carried either silicates or iron in too great percentages to answer. A number of mines, however, are available and it is confidently expected. able, and it is confidently expected that a good, marketable article will soon be produced. Orchardists and agriculturists will soon find use for ground plaster also for regulating

MINING

Boils.

for the precious ores of gold and silver has been more brisk during the last few months than for several years. Capitalists of this city are shy of Capitalists of this city are shy of mining ventures, and a property that would command respect must be meritorious beyond question. Most prospectors do a little work on a find, generally consisting of a hole a few feet in depth, and, if an assay shows the ore to yield a paying amount, jump to the conclusion that they have "struck it rich," and have a mine. As a rule, they pull up stakes and start for some city or town to sell their find. In the majority of cases they fail to enlist any capital, for the reason that not enough work has been done to prove that they own even a reasonable prospect.

enough work has been done to prove that they own even a reasonable prospect.

When this hardy, and, as a rule, hard-working class, realize that no one will pay anything for a little hole in the ground, it will be better for them. If the miner of this class will do more work and assure himself that he has a likely prospect, by development work, he can sconer impress the man of capital to help him out and appreciate honest effort. In mining matters, capital rightly directed, by brainy men, can bring us at least a share of the good things that may be unearthed within a reasonable radius of this city. Money must be forthcoming to so direct and so influence the management of minestributary toour city, as to bring the bars of bullion to our credit. If we are farsighted and alertly cover grand opportunities in time and before others more enterprising cover the ground, vast commercial scope can be subserved and turned to our use and benefit.

EXCHANGE

EXCHANGE

of the grain, fruit, wines, and prod-ucts of our fields and manufactories

must be brought about with the miners. We should reach out, especially to Arizona, that land of sunshine, gold and silver. A Territory that, without doubt, has richer and more varied mineral resources than any other could be a whole on other equal area, as a whole, on

Los Angeles can be made, as it is, the natural trading point for this ter-ritory, but it will be lost to us it we fail to use well-directed endeavors to

control it.

Already eastern tradesmen, eager and farsighted, are making successful efforts to cover this rich field. They put their money back of their efforts. They invest in good mines, in cattle ranches, water canals and lands, railreads and town property, and in time will reap a reward that would be ours were we farsighted and wise.

TALK AND ACTION.

Our fair city has a commanding advantage, and can conquer the world around her, but it means work and capital turned in proper directions and managed with skill and reasonable foresight.

citizens organize strong bodies of business men, made up on princi-ples of power, influence and good quali-ties, but they figure too near home and linger over the ashes of a spent boom and wait for a rise in corner lots, with-out a resort to heroic, widespread and reaching practicable enterprises. Good resolutions, on paper, sound all right, but they fail by repetition to heartly command attention, as they cannot bring about desired practical results.

results.

Of one thing, our business men can rest assured, and that is: No manufacturers can see their way clear or defacturers can see their way clear or depend upon uniform results without cheaper steam-making fuel. It would pay to combine and purchase a coal-property north and the ships to transport it to this city, today, and dispose of the fuel at cost to consumers on a cooperative basis. Men who combine for their own protection will succeed, whereas an individual would be powerless alone. This one vital drawback is coeting this community untold millions in drainage of money needed at is costing this community untold millions in drainage of money needed at home. We transport great vans of goods and wares from abroad, simply because there is a lack of appreciation and effort to produce them here. Begin at the right end of things and the remedy applies naturally.

We cannot hope to quickly accomplish this and bring about these changes, but a beginning can and should be made. Good times are wanted. Bring about self-sustaining measures of a nature that is not all consumers and no producers.

ducers.

Nature has done her share for us.

Nature has done her share for us. Witness our natural and as yet un-touched resources, scattered with a lavish hand about us.

lavish hand about us.

Wealth in our fields, in the mountains and hills. Our proximity to the ocean, the free highway of the world; our climate; the scenic beauty that surrounds us, and multitudes of almost unseen and unappreciated blessings about us on every hand, should stimulate us to something grander and nobler than mere idleness and speculation.

JOHN P. CULVER,

Civil and Hydraulic Engineer.

OUR MINERAL RESOURCES.

A Particular Mention of Southern Mines and Mining Districts. The mineral resources of Southern California are both extensive and varied. Besides the precious metals,

have large deposits of copper veins and deposits of lead; mountains of iron and salt; and veins of coal and tin; lakes and deposits of mineral salts; building material, clay, plumbago, hydraulic lime and limestone, marble, gypsum, etc.

This extremely diversified mineral wealth is scattered throughout the southern counties, and affords lucrative employment for a very large num-

ber of men.

Besides the minerals, we have several petroleum basins, of which that near Newhall and the Puente basin are the most valuable and productive recent

ductive at present.

Before referring to the precious metal industy, some reference will be made to the various other economic deposits of minerals in this end of the State.

PRON.

In the Sierra Madre Mountains, near the canon of the Tejunga, are large veins of iron ore, which must some day be utilized. These ore bodies are situated in the midst of an immense forest of flue pine timber, and if the ores are not smelted on the spot with charcoal made from the timber, a railroad will be built to recover both.

In San Berturdino county, about 16 miles from Daggett, is a veritable mountain of iron ore of splendid quality, and though at present of little value, it cannot always remain so.

In San Diego county, also, are large be utilized. These ore bodies are

deposits of iron ore, all of which will attract attention in time.

COAL.

Our coal mines are not as extens ive as we should like to have them, but as we should like to have them, but good coal is being mined near Elsinore, which is finding its way to the market and meeting with favor. There are also veins of coal near Riverside, but nothing of note is being done on the property at present.

COPPER.

No copper is being mined in Southern California, at present, though there are copper-bearing veins of great prospective value in San Ber-nardino county, in what is known as the Ord district.

A lead of quartz, carrying considerable sulphide copper ore, has been discovered near Wilson's Peak, in Los Angeles county, but it must be rendered more casily accessible before it has any value. has any value.

There are numerous veins and de-posits of copper elsewhere in this part of the State, but the present low price of copper does not admit of their being worked profitably.

GRAPHITE.

A deposit of graphite, or plumbago (black lead), has been found near Crescenta Cañada, but little has been done to develop it. Graphite is not an un-common mineral, but it must be very pure and occur in large quantity to have any value.

LEAD.

Lead is a metal much in demand in this part of California, and while there is an abundance of lead ore scattered about the southern counties, the most of it is situated too far from the various lines of railway to be of much

ous lines of railway to be of much value.

About 23 miles from Newhall, on the Santa Barbara branch of the Southern Pacific, in Castec Cañon, a mine is being developed which carries a large amount of lead ore. The ore also assays quite well in silver. It is quite possible this mine, called the Silver Mountain, may be equipped with a smelting furnace the coming year.

All about Oro Grande are deposits of lead ore which promise to make quite a large output. The mountains near Barstow also contain lead deposits. In fact, the amount of lead ore in that part of San Bernardino county is so large that a smelting plant is talked of at Oro Grande.

The Resting Springs and Panamint mines also contain large quantities of lead, but these ores will not become available until more convenient transportation than 100 miles of freighting across the desert is afforded.

TIN.

The tin mines of the Temescal, though undoubtedly of some prospective value, are not being worked beyond the necessary assessment. GYPSUM.

During the past few months gypsum has been in demand, and the prospect

has been in demand, and the prospect is that a company will soon commence manufacturing plaster of paris and fertilizer from the deposits near Acton. There are quite a number of gypsum beds of greater or less value in Los Angeles county, and it would seem that each of them might be made valuable if they were in the proper hands.

SALT. Salt is obtained at quite a number of places in this part of the world. large amount is manufactured at the seashore at Redondo Beach and elseseashore at Redondo Beach and elsewhere, but the larger amount is taken from lake beds and artificially evaperating saline waters from artesian wells. There is a large concern manufacturing sait on the line of the Southern Pacific road in the Colorado Desert, near Volcano Springs.

On the Mojave Desert, a few miles from Resting Springs, is a good-sized bill of salt, and it is reported that near the Colorado River below Yuma there is a veritable mountain of this valuable product.

BORAX.

This mineral is mined quite extensively in San Bernardino county, both from lake beds and from a vein in the Calico Mountains. The annual prod-uct aggregates a large sum.

BUILDING MATERIAL.

The number of places where building stone and lime may be found is so large that it would require too much space to give them in detail. Suffice it to say that every county in Southern California has quarries of sandstone, lava rocks, lime, marble and excellent granite that cannot be surpassed by granite that cannot be surpassed by any imported article of the sort.

PRECIOUS METALS. Southern California is the natural treasure-house of untold millions of golden and silver wealth. Almost every range has more or less good mines, and nearly every hill on the desert is the repository of hidden treas-

Brief mention is made of the most

promising districts, the field being too broad and the space too limited to deal to any extent with individual proper-

SILVER REEF

One of the most remarkable mineral districts in the world is that known as Silver Reef, in the Black Hawk mining district, in San Bernardino county.
The reef was discovered in May, 1888;
by Pasadena parties, who staked
out and have since developed a number
of claims. Geologically the formation
has but few counterparts, being an
immense bed of calcareous and silicious material, evidently adaposit from

immense bed of calcareous and silicious material, evidently a deposit from
hot springs. The formation is about
100 feet in thickness, and has been developed to nearly this depth by shafts.
The ore occurs in zones or bands of
mineralized cale-spar, and is chiefly
chloride and chloro-bromide of silver,
running from 30 ounces up into the
hundreds of doilars per ton. This
camp is one of unusual promise to the
small investor, as high-grade rock can
be shipped at comparatively, small expense to Oro Grande and elsewhere.
The present outlook for Silver Reef is
most flattering, as abundant capital is
being interested, and within the coming year considerable shipments are
anticipated.

ORO GRANDE,

ORO GRANDE,

a small town on the California Central, is rapidly assuming airs of importance. The discovery of what appear to be large and valuable mines in the vicinity of the town have given a decided impetus to business of all kinds. Orto Grande seems to be the center of quite au extensive mineral district. To the

an extensive mineral district. To the west of the town are the now quite famous Clinker and General claims. These produce chiefly lead and silver ares, and promise to become large producers. They are owned by a syndicate of Los Angeles gentlemen. Quite near Oro Grande, on the east side of the railroad, is a lime quarry, where limerock has been broken for some time for burning in kilus near the railroad. During the past year a man named Collins discovered silver bearing carbonate of lead and galena in the lime quarry, and the property is now being developed as a mining claim.

The Adams Bros.' gold mine, about 12 miles east of Oro Grande, has already earned quite a local reputation as a producer of pay rock. The oro as a producer of pay rock. The ore is base, but carries about \$60 per ton. There is considerable talk about build-ing a smelter at Oro Grande to treat the ores of the district.

ACTON.

The gold district of Los Angeles county is Acton, located about 55 miles from Los Angeles on the line of miles from Los Angeles on the line of the Southern Pacific Railroad. There are several producing gold mines in this camp, the most prominent of which are the Red Rover and the New York mines. Both of these properties are equipped with mills and are grinding out the yellow metal, shipping about \$10,000 monthly.

On Mt. Gleason, eight miles southwest of Acton, some very promising gold prospects are being developed and machinery put in to thoroughly test the property.

THE SAN GABRIEL CANON.

THE SAN GABRIEL CANON

The silver mines in San Gabriel Canon have been attracting considerable attention lately by reason of the discovery of silver ore of extremely

able attention lately by reason of the discovery of silver ore of extremely high grade.

The prominent mines of the group are the Kelsey and Mint-and the New Year's Gift. The former claims were owned by a Los Augeles and eastern syndicate, which recently bought the latter claims from Messrs. Cullen and Miller. The "O. K.," located south of the Kelsey, is also a promising property, and has considerable development. The ore is chiefly native silver and silver glance, with some chloride in a gangue of heavy spar.

The Victoria mines, owned by an English company, are opening the old Zapata and Winston mines, and have recently built a very complete 10-stamp silver mill. The ore is also of good grade, and the property has the appearance of becoming a bonanza, at least so the company claims.

At Glendora a strike was recently made on the hills back of the town, which may develop something valuable. A mill is being constructed in a canon near town, and the owners of the property are showing their faith by their works. The result of this expenditure of capital in machinery and development is looked forward to with great interest.

NEWHALL PLACERS.

great interest.

NEWHALL PLACERS.

During the year the placer mines in the vicinity of Newhall, in Los Angeles county, have been worked with geles county, have been worked with renewed vigor. The principal work has been in Placerita Cañon, where hydraulic machinery has been in operation for several months; but it being found that the pumps and engines were inadequate, they are about to be replaced with a heavier plant, and during the coming year it is expected

that considerable gold will be the out-come of these improvements.

A number of Mexicans and "coyote-

A number of Mexicans and "coyote-hole" prespectors are taking out gold from almost every gulch in this region about Newhall, including Dead Man or Los Murtes Dry Cañon, Soledad and the San Francisquito. Though the amount of gold taken out by any one of these prospectors is not large, in the aggregate the result of their combined labors makes quite a large sum annually.

nually.

The placer mines in the San Gabriel The placer mines in the San Gabriel Cañon also have produced a considerable amount of gold during the year. A more systematic method of operations would doubtless result in opening valuable alluvial deposits. It will be necessary to control the water and to operate the mines in a manner which will produce the best results.

In Holcomb Valley some placer gold has been mined during the year, but the lack of a dumping ground is a drawback to these mines, which will forever preclude any extensive opera-

drawback to these mines, which will forever preclude any extensive operations there without an expenditure of a large amount of money.

Piacer mines are scattered here and there about Southern California, but it is preëminently a region of leads and not placer mines. There is one famous locality in San Diego county, in the Cargo Muchacho Mountains, in Pipindero Flats, where gold nuggets were picked up on the surface of the ground, but these placers have joined the boom; they no longer exist.

CALICO DISTRICT.

CALICO DISTRICT.

The Calico Mountains, located in San Bernardino county, produce the largest amount of silver of any mining

district in the State, at present.

Much has been said and written of
Cauco, but much evidently still re-Caico, but much evidently still remains to be learned concerning the nature and extent of the ore deposits of the district. Calico is a camp which has always stood on its own merits, paying its way from the outset, and until the mines were opened and had produced millions in silver but little outside capital was interested. The developments of the past year have been of a very gratifying nature to the miners, as the mines show a richness and permanency which it was

developments of the past year have been of a very gratifying nature to the miners, as the mines show a richness and permanency which it was formerly believed were not among the possibilities.

The extensive ore chambers opened in the Waterloo, the Occidental and Oriental have opened the eyes of the world to the fact that Calico has bonanzas, and big ones, too.

The output of the district, as nearly as could be learned, has been for the 12 months past about \$1,100,000. This estimate includes all the output of the companies and chloriders. There are operating on Calico ores four stamp mills, having a total of 115 stamps, with a crushing capacity of 350 tons every 24 hours. The ore is a free milling chloride of silver in a gangue of porphyritic rock, which is usually quite soft and crushes rapidly.

The mills of the Waterloo Company are at Daggett, about six miles distant from the mines. A narrow-gauge railroad connects the mines with the mills. The cost of transportation, it is stated, is but 12 cents per ton.

Calico has still a bright future and will produce many more millions before the camp is declared "petered."

Despite the encouraging results of "deep mining," in Calico, none of the mine-owners have had the courage to test their property beyond 300 or 400 feet. In most mining camps a property is scarcely considered opened until this depth has been attained, at least. Should a deep shaft (1000 feet or even 2000 feet) be sunk, it is quite likely the deposits will be found to continue to that depth, and it is possible that water may be encountered (the mines are now perfectly dry); and, while this would necessitate pumping, it would afford enough water, in all probability, to operate a large number of stamps.

When the mines of Calico are opened in this way they will have an assured

of stamps.

When the mines of Calico are opened in this way they will have an assured permanency and value which can never come as long as the present "hand-to-mouth" system is engaged in. The mines are exploited in a manner which is calculated to enver the inversion is calculated to convey the impression that they have no future, when every indication points to large and valuable deposits in depth.

IN THE DESERT.

There are hundreds, even thousands of claims scattered throughout the mountains of both the Mojave and Colorado deserts, many of which are nover heard of through the columns of the papers, but many of which possess real value, and only require capital to make them productive; while to make them profitable. All along the line of the Atlantic and Pacific and the Southern Pacific railroads are mountain ranges, in almost every one of which are valuable deposits of precisers metals.

some very encouraging developments are in progress. The famous Bonauza King of that district, it appears, is not the only valuable property in that section. The Cambriomine is now beginning to attract attention, and bears a good reputation. At Bagdad there have been small veins of high grade rock opened, but the extreme difficulty and expense attending operations in that vicinity have had the effect of holding any considerable development in check.

in check.

Some gold prospects near Harper and Kramer, on the line of the Atlantic and Pacific between Barstow and Mojave, are looking extremely well, and may be looked forward to as producers during the coming year.

On the line of the Southern Pacific, the old Mexican mines near Twenty-nine Palms have been investigated by Los Angeles and Pasadena capitalists, and results may be looked for in that direction ere many more months roll by.

About six miles from Ogilby Station, and nearly 30 miles from Yuma, in San Diego county, is the range of lofty, rugged hills called the Cargo Muchacho Mountains. The principal mines of the district are the Cargo Muchacho (boy's load), the Pasadena and the S. B. Tubbs property. These three mines are located on the same vein, and are of unusual promise. The Cargo Muchacho has been opened to the depth of nearly 400 feet, and has now considerable pay rock in sight.

The Tubbs mine is only a prospect, opened by about 200 feet of shafts and tunnels, developing a good-sized vein of free milling quartz, and is one of the most promising claims of the district.

The Pasadena mine is owned by a

of free milling quartz, and is one of the most promising claims of the district.

The Pasadena mine is owned by a corporation of Pasadena gentlemen, and is also a fine piece of property. Early in the year considerable rock was milled, but owing to the great expense of transportation the management concluded to continue the work, of development, pending the erection of a stamp mill near the Cargo Muchacho mine and within two and a haif miles of the Pasadena mine. It was thought this would very materially lower the expense of milling their rock and leave a handsome margin of profit. As the Cargo Muchacho mill is completed, something tangible may be looked for from both the Pasadena and Cargo Muchacho, and also from the Tubbs mine. The Padre y Madre mine, located near the above-described property, and which gave the district its first fame, is idle, though the work of representation is kept up each year. The Cargo Muchacho district labors under the disadvantage of being a long distance from the water, but to some extent this difficulty will be removed by the completion of the 14-mile pipe line and pumps of the Cargo Muchacho Company, water being pumped in from the Colorado River.

At Pinacote, near Lake Elsinore, the Good Hope mine is being reopened, and it is quite likely that once famous and rich vein will again become a producer.

THE BLACK HAWK.

In the Black Hawk mining district a

THE BLACK HAWK. In the Black Hawk mining district a large and apparently valuable mining property is being opened by the Valley Gold Company. The company owns a number of claims and is putting in machinery to thoroughly prospect it. The mines are those formerly owned by Messrs. Cook and Leach, and are of great promise. The rock is gold-bearing, free-milling, and some of it extremely rich. The gold occurs in a calcareous rock, with some quartz and considerable iron oxide. At Rattlesnake Canon and Lowe Valley rich finds in a similar formation are reported, and the entire district is one of unusual promise. The Black Hawk Company has abundance of means, and will thoroughly test its property before putting up a large mill, thus avoiding a mistake too commonly made.

The Black Hawk management is in careful hands, and if there is anything in it they are the ones to bring it out; and it would not be in any manner surprising if the present year should see number of claims and is putting in ma-

prising if the present year should see the dull-yellow bars going over the road from this preperty, in size and number that will astonish the northern end of the State.

W. H. STORMS.

The camphor tree grows 50 feet high, and from it is extracted the camphor of commerce. It is easily grown from seed. . . The tulip tree, said to be the most stately tree—in North America, belongs to the same natural order as the magnelias, and is an ornamental tree of the first order. ornamental tree of the first order. One recently stood near the city of Louisville, 130 feet in height.—[Citrograph.

The Visalia Delta whispers a word of warning to those getting English walnuts for seed: "Don't buy the clean, bright-looking nuts that are usually sold for eating, as they are made to look handsome by scalding, which destroys the germ."

AN APPRECIATIVE VIEW.

OUR POST-BOOM CONDITION, AS VIEWED BY AN OUTSIDER.

The Substantial Resources of Los An geles That Keep It Moving Right Along in the Procession of Progress.

ECENTLY the San Francisco Chronicle published the following article on Los Angeles, which is one of the most concise and readable statements that has been given to the public on this subject. It is especially valuable as expressing the views of a San Francisco man who is able to consider the subject aliunde, so to speak, treating it calmly and dispassionately. San Francisco has generally been disposed to view Los Angeles "with a critic's eye," taking good care not to concede too much to her southern neighbor, in some things her rival. With this un-derstanding, the following extracts will have greater weight with people abroad than the same statements prepared from a purely local standpoint, and for this reason they are given somewhat in extenso.

somewhat in extenso.

ICorrespondence of the Chronicle I
Los Angeles, July 30, 1889.—A
boom in the majority of cases is based
on normal healthy conditions, though
in itself and its results it demoralizes
and produces financial depression. To
the superficial observer and to some
nowspapers who, perhaps, thought it
profitable to assume the same view,
Southern California in general and
Los Angeles county in particular, has
of late been regarded as being financially and progressively torpid, if not
moribund, because it is convalescing
from a severe attack of boom mania.

But why did the boom come? What
caused it? And is this county even
torpid as a result?

The boom came because of the infor-

The boom came because of the information suddenly spread through the country that here was a land of wonderful preductiveness, with a paradissic sun and air and filed with natural resources waiting but for the aid of capital. The old resident here knows that this boom which appeared to spring out of nothing and end in nothing really began back in the seventies. In '75 and '76 colonies began to spring up, and the "excursion" system of immigration was inaugurated. The "climate refugees," or "pulmonary piprims," as the health-seekers were termed, began to come, first by the hundreds and latterly by the the thousands. The progress was so rapid that the people began to be excited; the excitement grew into frenzy, and for a few months the frenzy developed into mania. No scheme was too impracticable: town land and water

rapid that the people began to be excited; the excitement grew into frenzy, and for a few months the frenzy developed into mania. No scheme was too impracticable; town, land and water, harbor and railroad companies were formed and incorporation papers were left with the County Clerk faster than he could record them. But it is needless to again describe the malady; it is familiar to most Westerners, and, being cured, has no vital importance now. The point of interest now is in what condition is Southern California.

To give the reader an intelligent answer, it will suffice to discuss the present status of Los Angeles county, which is so closely connected in all ways with the neighboring counties as to form a barometer indicative of the condition of this rich, ambitious section of the State. In round figures, this county has 3,080,000 acres of land. Today 2,000,000 acres are tillable, but in the near future the large systems of water development and storage reservoirs will add to that several hundred thousand acres which are now practically useless. There certainly is land enough to produce sufficient to make all branches of commerce prosperous if the land is good. In this regard nothing can be more eloquent, more convincing than figures. From statistics collected by the Chamber of Commerce, the showing is made that in 1833 this county produced 509,000 baxes of oranges, 100,000 baxes of rasisins, 100,000 tons of grapes, 3,000,000 gallons of wine, 1,500,000 gallons of wine, 1,500,000 gallons of fruit. During the past season 380,000 fruit trees have been planted, and the wheat and barley acreage increased by 70,000 acres. "But," says the eastern farmer, "you people want a small fortune for your lands. Farmers cannot afford to pay you \$100 to \$1000 an acre for land. We can get farms in the West for \$2.50, \$5 and \$10 an acre," Two or three years ago there was some fruth in this statement. Lands were held at ridiculous prices, because they were one day sold at hundreds of dollars per acre, and the next, perhaps, at th

ever, there is hardly an acre of tillable soil in the county which will not make large returns on a price of \$100 per acre. It is estimated from the yields of the amount of soil now tilled that the 2,000,000 acres of available farming land in the county is easily capable of producing an average annual yield of \$40 per acre, or the comfortable annual income of \$80,000,000. But what is the price? Here recourse must be had again to the statistics of the Chamber of Commerce. This institution has just issued a circular prepared carefully of cheap lands, which are for sale in the county. It is not in any degree an advertising dodge, for the names of the owners, or the agents, or even the exact location of the lands described are not given. It is the result of personal investigation on the part of the officers of the chamber, and is solely printed with the object of showing that the farmer or would-be rancher of small capital can find ample opportunity of investment. In all, 41 pieces of land, comprising 541,419 acres, are described, ranging in price from \$150 to \$250 per acre. There is but one farm mentioned at the highest price, and that is one of 160 acres, supplied with buildings, and netted last season \$5000. The lowest priced is good grain land, supplied with mountain water and located in the artesian belt. Other prices between are \$8, \$12, \$20, \$30 and so on, the average probably being about \$25. In preparing this circular Secretary Higgins prefaces it with some very sensible remarks, from which are taken the following:

"These lands can be bought, as a rule, in any sized tracts. Very fine, choice lands at about \$25 per acre. In

which are taken the following:

"These lands can be bought, as a rule, in any sized tracts. Very fine, choice lands at about \$25 per acre, in close proximity to railroad stations, towns and cities, enabling the farmer to market his produce easily, with long time and low rates of interest, are certainly reasonable, especially when it is taken into consideration the variety of crops that can be grown; the enormous yield and the wonderful climate, which permits outside work all the year.

Two crops of vegetables and grain are

Two crops of vegetables and grain are common in this section, as well as six to seven crops of alfalfa (clover). This should be taken into account when making comparisons with other lands. In raising citrus fruits the receipts per acre are so many times more than the amount received from eastern farm lands that comparisons are out of the question; yet we have in this list the very finest of citrus fruit and grape

These figures show that land-owners These figures show that land-owners have come to their senses, and that the farmer who pays three-prices buys the cheapest land in the country, for the yields are something that would astonish even a central Western or Manitoba farmer, while to the far eastern titler of the soil the figures seem simply impossible. Corn frequently runs as high as 100 bushels anacre, and, by the way, half the corn used in this State is grown in this county. The average yield of barley, as figured by the expert, D. K. Edacre, and, by the way, haif the corn used in this State is grown in this county. The average yield of barley, as figured by the expert, D. K. Edwards, is placed at 12½ centals per acre and 12 centals of wheat. To make the possibilities plainer to the farmer unused to estimating in centals it may be well to say that 60 bushels of barley and 40 of wheat is nothing extraordinary, though this is in no way a grain county. Alfalfa will return \$50 to \$75 per acre annually, or in pasture one acre will keep a cow fat all the year. Raisin grapes from the age of 2 to 3 years will average \$100 per acre. There are in and about Riverside 1000 acres of grapes which last year made into raisms produced an average net return of \$168 per acre. Orange trees in full bearing return on the average \$150 net per acre; English walnuts from \$200 to \$400, though these require from seven to nine years to come into profitable bearing. With these economic conditions is it not self-evident that this county, with or without a profitable bearing. With these economic conditions is it not self-evident that this county, with or without a boom, must be prosperous, rich and progressive? It cannot be torpid.

The boom reached its crisis in 1887, and in a few reachet have a deed reached.

The boom reached its crisis in 1887, and in a few months was a dead monstrosity. January, 1833, found the people a little dazed, roalizing that their fictitious fortunes had melted away, that city properly located out on uninhabited plains was only worth per acre what they had purchased it for by the front feot. There was a reaction, a depression; accounts had to be adjusted; puzzling problems of second and third payments on lots and agreements to convey had to be arranged, but divested of its tinsel, its glitter of Brummagen pretenses and its blustering brags, the boom did not amount to much. Before and since the country has advanced just as rapidly as is consistent with healthy conditions. All that was good was the boom remains; all that was evil has disappeared.

As there is no Building Commis-

disappeared.

As there is no Building Commissioner or Bureau of Statistics on such matters, the computed figures of amount of building done in Los Angeles city and county cannot be shown with exactness, but the amount of money invested in public and private improvements during the year and a half just past cannot fall far short of

\$20,000,000. The Los Angeles Herald, a conservative journal, printed a list of buildings actually erected during 1888, which is mainly confined to the city, and which is far from being complete. No edifice costing less than \$10,000 was noted. The list is footed up as follows:

To that amount should be added for public improvements.

Waterwork extensions....
Public school buildings and sites.....
Three yieduets across the Los Angeles
River.
Parks and boulevards.

These figures make a grand total of \$11,657,750 for the 18 months. To this, if the amounts expended on less costly buildings and on suburban and rural homes were added, the total of twenty millions would be very soon reached, and in all probability exceeded. ceeded.

All this, it should be borne in mind, has been invested since the boom. While this part of the State has been represented as in a decay, as bankrupt, that amount of money, millions of dollars, has been invested by farsighted business men, and still the work goes on. On almost every street in 'Los Angeles can be seen fine editiees under construction. Here are homes that rival the palaces of Nob Hill or the avenue. Senator L. J. Rose has in his house stained-glass windows and frescoes which are worth a journey across the continent to see. Mrs. Crocker's palace has been described so often as to be well known. All along Hill, Fort, Figueroa and Hope streets and Grand avenue, and in fact, most of the streets in the western part of the city, can be seen mile after with a point of All this, it should be borne in mind, Hope streets and Grand avenue, and in fact, most of the streets in the western part of the city, can be seen mile after mile of homes, which, in point of elegance, completeness of appointments, beauty of surroundings and splendor, could not be rivaled by the famous villa settlements of the Riviera. The smaller homes, inexpensive and unpretentious by reason of the wonderful fertility of the soil and the fostering effects of the climate on vegetation, are made marvels of beauty by the luxuriant growth of rare, beautiful flowers and plants. Even the little cabins of the squatters, who, for the time, live on city or unclaimed land, can be found shaded by masses of La Marque or Jack roses, with palms or the nestling palmettolike banana, and perhaps a veritable tree of helictrope by the doorstep.

The report of the water companies will give some little idea of the number of homes which have been erected here, all since the boom left, be it well borne in mind. The following is a condensed statement of that fact, as well as the scope and business of the different water companies. It is contained in a pamphilet issued by the Chamber of Commerce in December last, and of course gives no idea of the further development which has taken place in the past six months:

There are four systems of water supply in the city—the irrigating, the main domestic,

further development which has taken place in the past six months:

There are four systems of water supply in the city—the irrigating, the main domestic, the West Side highland domestic and the East Side domestic system.

The irrigating system consists of a number of reservoirs, from which water is distributed for irrigating purposes all through the city by means of cement or iron pipes buried under the ground. The price is not excessive, being established so that the receipts will simply defray the expenses of operating the system.

The City Water Works supply domestic water for all the thickly-settled portions of the city below the West Side hills, which is distributed in pipes to consumers. The supply is ample and good. The rates fixed by city ordinances are: For ordinary tenement, \$1.50 per month; two story house, \$2; three-story house, \$2.50; sprinkling lot, 50 cents to \$1. The company has recently found it necessary to enlarge its reservoirs and otherwise develop its water supply at an outlay of \$550,000; and during the last two years have laid about fifty miles of new lonse services.

The Citzens' Water Company supplies

two years have laid about fifty miles of new house services.

The Citizens' Water Company supplies domestic water for the hill lands on the northwest side of the city. A large reservoir is filled by a ciency a repring, and the water is forced thence by steam pumps to distributing reservoirs in the hills, several hundred feet higher than the source. The water is pure and healthful. Within the past two years over \$300,000 has been expended in onlarging the system. Four new reservoirs have been constructed, 45 miles of distributing mains laid, and 1352 house services put in.

The East Side Spring Water Company has been recently organized to supply the eastern parts of the city. It draws its supply from living springs on the eastern side of the loss Angeles River. Fifty thousand dollars has already been expended in constructing a reservoir of \$350,000 gallons' capacity (into which the water is forced by steam pumps) and in laying over ten miles of mains. One hundred and three services have been put In, and the demand continues for more.

That shows an increase during two years of 4355 houses, but it is to be re-

basis have you for such a growth; where do you expect to make any money? What are these people going to live on? In the first place Los Angeles has some manufacturers. Nothing very great, it is true, is the showing that can be made in this line, but still it amounts during the year to considerable. In manufacturing plants there was at the first of this year invested in Los Angeles city something over \$10,000,000. Not enough, to be sure, to entitle the city to be called a manufacturing center, but enough to furnish employment to a large number of men, to keep considerable money in circulation and to unmistakably indicate that the country has much solider cate that the country has much solider ources than paper town and lot

cate that the country has much solider resources than paper town and lot stakes.

In this connection it should be remembered that all such enterprises have, until the past year, been greatly handicapped by the high price of fuel. Coal, even in large quantities, has been at nearly a prohibitive price, and only until very recently has the use of crude oil been demonstrated as practicable. The most productive oil fields in Southern California are, it is true, not located in Los Angeles county. Ventura county produces nearly three times the amount that Los Angeles does, but it is all subject to the demands of the Los Angeles market. But to confine the results shown to the Puente fields, which are about 20 miles southeast of Los Angeles, and located in that county, will make a fair showing for future relief to and present amelioration of the cenditions adverse to manufacturing enterprises. The development of this district has but just commenced. Four years ago inexperienced men sank the first well, and when they ment of this district has but just commenced. Four years ago inexperienced men sank the first well, and when they struck a hole which yielded 10 barrels a day, they did not know how to handle it or what to do with it. However, experienced men became interested, and on January 1st there were 10 wells flowing, giving a daily product of 120 barrels, or an average of 12 barrels to the well, or 43,800 barrels during the year. The average cost of oil laid down in Los Augeles is \$11 per ton. The oil is worth \$2 a barrel, and all that is furnished is snapped up at that figure. A ton of coal equals in steam-producing power 140 galions or three and a half barrels of oil, which costs \$7, giving oil the advantage of \$4 three and a half barrels of oil, which costs \$7, giving oil the advantage of \$4 economically. These wells show no falling off in their yield, nor does the district show any evidence of being very-eircumscribed, for since the first of the year three more wells have been sunk, each of which is at some distance from the other and from the original 10. With the resources of this oil to insure cheap fuel, there is always the possibility of natural gas. That this exists has been demonstrated; in fact, is sibility of natural gas. That this ex-ists has been demonstrated; in fact, is now daily evidenced at the Puente wells, where all the power needed is generated from the gas which flows from the wells. This oil belt is about eight miles long by one wide. The fact that manufacturing is increasing is fully demonstrated by the great de-mand for fuel and the increase of the oil supply. oil supply.

A statement of the city's bank ac count should allay any fears as to the financial healthfulness of the southern part of the State:

The amount of business done by the different banks through the Clearinghouse from April 1st to June 30th was as follows:

Farmers' and Merchants' Bank...\$
Firs' National Bank.
Los Angeles National Bank.
California Bank
Southern California National
Bank Bank.
University Bank.
Childress Safe Deposit Bank....

200	May, 1888.	May, 1889,	In- cr'se.
Carriers employed	.26		
Delivery trips daily	- 4	5	1
Registered letters de-	4	. 8	4
_livered	464		
Letters delivered	219,677	272,502	52 825
Postal cards delivered	18 941	30 184	11,243
Newspapers, circulars, and all printed matter			
delivered	148,577	-178.207	29,630
Local letters collected	22,890	39 269	16,379
Mail letters co lected	205,302	264,608	59,306
Local postal cards col-	16,893	20 311	13,418
Mail postal cards col- lected	18,605	24,379	15,774
Newspapers, circulars, and all printed matter			-
collected	22,600	23.778 \$8780 22	1,178

There is no postoffice in any city of the size of Los Angeles that does as

much business as is shown by the

much business as is shown by the above figures.

But there is still astronger argument to be brought up as to the progression of the city, and which is indicative also of the development of the county. The increase of population as figured by any other means than a Federal consus is unsatisfactory and delusive. But a comparative count of the babies which first breathed this semi-tropic climate in 1889, as compared with those who arrived in 1889, shows a decided increase, and so with the children of the age of attending school. During the "boom" the little strangers did not arrive nearly in such numbers as at pres-"rive nearly in such numbers as at present. In fact, this may be called the "boom" baby year. When the school census was taken a year ago there was a decrease noted in the number of babies under the age of I year. In 1887 it was reported that there were but 271 how babies and 284 circl babies while it was reported that there were but 271 boy babies and 264 girl babies, while from 1887 to 1888 there were but 176 boy babies and 162 girl babies. The school census just completed shows 465 boy babies and 500 girl babies, an increase of 627. More than this, there has been an increase as well in the number of children—attending school, and a decrease in those not attending. A comparison for three years is as follows: lows:

1887, 1888, 1889, ...4872 5302 7101 ...934 1194 4520 ...649 5550 2156

These figures show an increase of 1799 children in the public schools, and counting 40 children to a room, show that the department of education is in need of 45 more rooms than it had last

Bonaparte's famous mot when, in answer to Mme. De Staër's question as to whom he considered the greatest woman, he replied: "She who has borne the most children." is in some measure applicable to Los Angeles. The people are prolific; it is a city of families, and of large families. It is often the case that married people whose union has not resulted in any hostages to fortune find on coming to Southern California to reside that a little semi-tropical stranger makes his or her bow on the world's stage. The real value of this increase of native-born population is somewhat greater Bonaparte's famous mot when, in real value of this increase of native-born population is somewhat greater than appears to the superficial ob-server, for it is a fact that a very small percentage of the children, when they arrive at the age of earning their livelihood, go away to other places. They cannot go West, they do not wish to go East, and they find right at their hands ample opportunities for employ-ment.

At this date the County Assessor's figures cannot be had, as the work is not completed, but the totals of the city assessment show a most gratifying increase over the boom-time figures of 1857-88. A comparative showing is as

follows:		
	1837-88.	1888-89.
Real estate		£27 832 4 8
Improvements	6,615 870	6,(48,415
Money	5:23 308	1,399 904
Personal property	3.145.711	4 217 461
Franchises	50,200	3,100
Totals	\$20 1us 148	\$20 407 024

An increase of something over ten millions will be noticed.

It seems as if it were needless to cite other facts as proof of the prosperity of the garden spot of the State, but one important feature has not yet been mentioned which is conclusive as an indicator, and that is the railroad business done at Los Angeles. In this department again the balance of trade is greatly in favor of this city. For example:

greatly in favor of this city. For example:

During the month of May, 1889, through freight shipments from the whole State over the Southern Pacific amounted to 35,078,560 pounds, showing a falling off from the same month in 1883, when the total was 153,154,450 pounds; but from Los Angeles the May shipments this year were 4,243,390 pounds, as against 1,437,800 pounds in the same month in 1888, or a gain of nearly 3,000,000 pounds. These shipments detailed for the month and the totals to June 1st will be of interest to totals to June 1st will be of interest to the student of the economic conditions in the Southern Citrus Belt.

III the Bouthern	Citi us Dois.	120
ARTICLES.	May,1889,	Total to June 1, 1889.
Anchaltan		
Asphaltum	****** ********	70,380
Barley		328,360
Barley		678.030
Brandy		126,700
Butter	****	24,950
Canned goods	2.480	26,610
Empry packages	88 4:0	88 420
Fruit, dried	2.150	49 640
Fruit, Gr. citrus	2 686 210	9,218,110
Hides	20,800	813,400
Honey	*******	82,800
Horses	******	20,000
Mtseellaneoug-#	90,260	
Miscellaneous	90,200	237,860
Nuts	****** ******	21,310
Potatoes	171,110	171.110
Rais ns	42,440	106.24)
Shingles	****** *******	24.400
Vege ables	142,430	1,068,080
Wine		802,530
Wool, grease	914,020	1,636,240
Bremeettitt		210001020
Metala	4 949 900	1K 00% 010

S: YEARLY REVIEW.

Siskiyou or San Diego, can take pride in the reflection that here is one of the richest, fairest, most progressive portions of the great State he loves so well? For what can be said of Los Angeles applies proportionately as well to all of the southern cities and counties. San Diego, San Bernardino, Colton, Pasadena, Ventura, all are striding ahead. The people are full of faith in the country and in their ability to work out its manifest destiny. They are not carried away by gush or bragadocio. When the United States Senate Committee came to Los Angeles a few months ago one of the Senators said: "Yes, your city looks very businessitike, but I would like to have seen it during the boom." Secretary Higgins of the Chamber of Commerce at once prepared the following statement of facts in reply:

Since the boom Los Angeles has paved five miles of streets, has made 100 miles of sidewalks, and now has 20 miles of cable road, as well as 10 to be built. Capital and enterpises are continually seeking new—channels; new banks are being opened every few months, three new railroads are under actual construction, fruit trees are purchased as fast as they are old enough to be set out, the trade in agricultural implements never was better. Commercial matters are now based on substantial foundations, the

trees are purchased as fast as they are old enough to be set out, the trade in agricultural implements never was better. Commercial matters are now based on substantial foundations, the elements of gambling are entirely eliminated from real-estate transactions, and business is progressing in a sane, healthy way. The one fact most indicative of the wonderful prosperity, the phenomenal resources of this part of the State, is that all through the werry months of depression after the bottom fell out of the corner-lot craze, not a single failure of any note occurred, not a bank was even hard pushed, and nearly all of the corporations and large land companies which sprang out of the land mania settled their affairs. satisfactorily, a majority of them getting down to a basis of sensible business propositions, and a large percentage are now continuing their sale of lands which they purchased to make cities out of to bona fide farmers or homemakers. To the speculator, the boomer, the commercial confidence sharp the county no longer offers opportunities, no longer can be used by such gentry to their profit, but to all others, to the worker by hand or brain, to the man of money or of muscle, to the man who aims to produce, it extends a hearty welcome, it offers unexampled opportunities, and he will find there thousands just-like himself.

BEES AND HONEY.

AN INDUSTRY OF MUCH IMPOR-TANCE AND INTEREST.

Its Ups and Downs--What the Bee Feed on, and Why Southern Callfornia Is One of the Best Bee Countries in the World.

ONEY BEES find no better place in the United Statea than Southern California. The seasons are so fashioned in this favored locality that flowers are opening every day in the year, inviting the busy bee to gather honey every hour of sunshine. And when we remember that there is not, taking one year with another, more than 15 days out of the 365 of the year that the sun does not shine clearly, one can readily see that the possibilities of honey production in possibilities of honey production in Southern California are unequaled so far as sunshine is concerned. Every intelligent, observant beckeeper knows that sunshine and heat are the principal factors in producing flowers that are the foundation of successful bee keeping. Cold weather accompanied by fogs or high winds retards the flow of nectar or altogether prevents its secretion in the bloom of trees, plants and shrubs; but cold weather, fogs and high winds occur so seldom in Southern California, that, while it is well to take them into account in calculating the possible amout of honey that may be produced in a year, yet there are years that neither of these conditions affect the yield of honey at all. The years of 1876, 1878 and 1884 were notable for the almost entire absence of cold weather, fogs or high winds. The 1876, 1878 and 1884 were notable for the almost entire absence of cold weather, fogs or high winds. The rainfall of 1876 amounted to 26.74 inches for the season, and the yield of honey that year was the greatest ever known in California, many apiaries averaging more than six hundred pounds of extracted honey to the hive, and thousands of tons being produced; but the very next season, altern california, but thousands of stands or hives of bees perished for want of something to feed on. An abundance of rain in 1878 brought the bees that

survived into good shape, and the yield of honey for that year was above the average considerably. It is usual to commence extracting honey about the 1st of May in these favored seasons, and continue extracting sometimes into the month of November following. The bees will produce a little more than one-half as much comb honey as they do extracted honey in a good season.

honey as they do extracted honey in a good season.

The bees gather nectar from the bloom of trees, shrubs and plants, indigenous to California, foremost among which is the oak, sycamore, water alder, willow and manzanta. Shrubs such as the sumac, yerba santa, buckhorn, wild plum, wild buckwheat, black or bolled sage, white sage and silver sage, the three latter producing the greater portion of the honey shipped from Southern California, and of a body, flavor and color as dense, exquisite and white as any produced in the round world; the succession of bloom produced by the above listcovers the greater part of the year, but trees and plants that have from time to time been introduced into this section, round out the whole year. The citrus family, orange, lemon and lime, afford an unequaled nectar, but it is produced, for the most part, at a time of year when bees are rearing young, and most of it is consumed in the hive. The cucalyptus tree, commonly called bluegum, and extensively grown in Southern Culifornie, an importation from Australia, commences blooming in November, and in large groves bloom can be found until July. It is very rich in nectar, and honey made from it has the seputation of It is very rich in nectar, and honey made from it has the reputation of containing very valuable medicinal

The different varieties of acacia are

The different varieties of acacla are excellent bloomers, commencing in November and continuing until May producing both pollen and nectar. Alfalfa, both wild and cultivated, furnishes good pasturage for bees, but the honey is not so much prized as that gathered earlier in the season from the other sources herein mentioned.

Fruit trees of various kinds, now becoming so common in this locality, such as the apple, pear, prune, peach, apricot, nectarine, quince, olive, loquat and plum, all furnish a good quality of honey, and all the small fruits, such as blackberries, raspberries and the like contribute largely in their season. The fig tree has no bloom for the bee to work on, but when the fruit is ripe if a bird or wasp opens it the bee will soon appropriate the rich pulp that is so sweet and palatable. So one can see that the realm over which the honey bee holds sway in Southern-California is as extensive as our broad, rich valleys, the rolling hills and extensive mountain ranges, that produce the sages on their highest peaks.

ifornia is as extensive as our broad, rich valleys, the rolling hills and extensive mountain ranges, that produce the sages on their highest peaks.

There are in Los Angeles county, according to the Assessor's return for the year 1859, 13.871 hives of bees, but this assessment is made the first Monday of March, at a time when the very smallest count of the apiary would be made, and only includes large apiaries in a prosperous condition and returning profits to their owners. It would be safe to double this number for the working season, as many of our best bee-masters practice putting two weak colonies together at the close of the season, and then divide them when the increased strength of the colony will warrant it, in April or May. In ordinary seasons the yield of comb honey is about 125 pounds to the hive, and a little over 250 pounds of extracted honey to the hive for the season, though there is a great difference in yields in some localities over others in the same year, and with seemingly identical surroundings and climatic conditions.

The bee-masters of Southern Callfornia are an enterprising, industrious.

ings and climatic conditions.

The bee-masters of Southern Callfornia are an enterprising, industrious, progressive class of men, ready to adopt all modern appliances and machinery used in the apiary; keeping well abreast with their brethern of the Eastern States, and in most years securing much larger yields of honey than the best apiarles can do in the Eastern States.

In Southern Callfornia the honey bea

Eastern States.

In Southern California the honey bee was first introduced by O. W. Childs of Los Angeles, in March, 1855. His venture proved a great success, as the bees multiplied very fast and comb honey brought \$1 per pound. His bees were located at his nursery, opposite where his residence now stands, on Main street. He kept them there some years and then sold them to Mr. Thomas A. Geary, who took them to the mountains near where the town of

four or five of them joined together at the top. But the bees growing trouble-some to the horses as they were driven by, Mr. Childs desired the writer to take them away. Before doing so, however, all the lower branches of the tree near the honeycombs were cut away and a photograph of them taken, a picture from which adorns the pages a picture from which adorns the pages of Root's last edition of "A, B, C," of

of Root's last edition of "A. B. C." of Bee Culture. A copy of which is reproduced in another pipce.

The picture illustrates how genial and temperate our climate is, when the honey-bee can thrive without shelter of any kind either in rain or sunshine for more than three years.

After the photograph was taken, the writer cut them down and transferred them to a good hive, and they and their progeny now fill many lives. The great bulk of the honey product in Southern California is put up in tin cans holding about 60 pounds each. Two of them are put in a case, and in that shape are shipped to Europe. Comb honey is liable to breakage in transit, and the loss from that cause being serious, but little comb honey is sent to Europe.

being serious, but little comb honey is sent to Europe.

The quantity of honey now produced in Southern California is but a tithe of what could be produced if all the available bee pasturage was utilized. All the mountain ranges, both Coast Range, Sierra Madre and Sierra Nevadas, produce sages in abundance, besides an almost countless number of other nectar-producing trees—shruhs besides an almost countless number of other nectar-producing trees, shrubs and plants. The honey, if properly handled, will keep for any length of time, and if foresight was properly used by our merchants, the article could be stored so that a steady demand could be met at reasonable prices, and the trade in California honey made as permanent and lucrative as any other staple article.

C. N. WILEON.

SUCCESSFUL SETTLERS. MEN WHO HAVE DONE WELL IN SOUTHERN CALIFORNIA.

Interviews with Home-builders Who Started with Little-Ten Acres Enough is the Verdict of Practical Men.

OR some time past, eastern papers have been in the habit of asserting that Southern California was no place for the poor manthat our lands are too high in price, and that we have nothing but climate to offer settlers.

To refute these statements, THE TIMES has this year secured interviews with a number of men who, coming to this section with little or no means, have made a good living and built up happy homes for themselves and families. The interviews speak for themselves. They will be found interesting

reading:

AN ENTERPRISING NURSERYMAN. George W. Ford in 1878 bought five acres of land a little south of the then town of Santa Ana. It is now inside the city limits. When he started he was quite poor, not even having enough was quile poor, not even having enough to purchase this small quantity of bare land, which at that time was cheap. The carn money he worked a year for a nurseryman, who failed and could not be partially a support of the missistic believer in the possibilities of a small tract of Southern pay him his wages, amounting to \$250. Gilfornia land, and willingly volumbers of the money of the missistic believer in the possibilities of a small tract of Southern and the money for which he built a house, planted all his land "to trees, and set out nursery stocks between. The smeet of the land and plant trees, there not be gas midetent left for a team, to earn the subject of the land and plant trees, there not be gas midetent left for a team, to earn more for which he had to work out, arming. He does not waste a root of land aligning. The price of land had already risen greatly—from \$290 to \$500 per acre. In 1881 he sold the peanuts for own and used to the sum of the to purchase this small quantity of bare land, which at that time was cheap.

planting. After that the yield will continue to increase for 50 years or more. The industry is in a measure a monopoly, as the English walnut will only grow to perfection on a strip of country from Santa Barbara to San Diego, west of the Coast Range, in moist land, or where there is plenty of water for irrigation. In 1886 Mr. Ford was in a position to lease further 200 acres for general farming and nursery purposes, paying a cash rent. He has made it pay well, raising four tons of barley hay to the acre, and then, the same year, 60 bushels of coru to the acre. Such land rents at from \$2 to \$10 an acre. It is irrigated only when there is a dry irrigated only when there is a dry

irrigated only when there is a dry winter.

In regard to the red scale, which considerably affects trees in this section, Mr. Ford is strongly of the opinion that it is largely caused by lack of care and fertilization. He says that through lack of plant food the trees get sick, and, like sick human beings, they are more liable to disease.

Mr. Ford has prospered greatly, owing to industry, perseverance and good judgment. He is now building a residence which will cost about \$5000. He.firmly believes that upon 10 acres of land in Southern California a man can put money in bank from the start

can put money in bank from the start—that 10 acres of good Southern California land are better than 160 acres in Illiania.

A TAXPAYER WHO STARTED WITH NOTHING.

T. J. Harlin nearly twenty years ago bought eighty acres of land near town. He had hardly enough money to buy the land. He raised corn, pumpkins and barley, and with his family made a living from the start. After building a house and staying there about five years, he sold out and bought twenty acres nearer in. He has made a specialty of corn and hogs. He also has an apple orchard, which has paid well. His chickens have paid all his grocery bills. Mr. Harlin pays \$300 a year taxes, owning considerable city property. property.

SMALL VERSUS LARGE TRACTS A good example of how a "little land well tilled" is much more advantageous to its owners than a large tract scratched over, is furnished by tract scratched over, is furnished by the fate of the Ross tract, at Santa Ana. This large tract of 2000 acres was purchased by the late Mr. Ross, about twenty years ago, at a price which would not now buy 40 acres of it. He used it mostly for pasturage, raising also a little barley, the idea being that the land was fit for little besides stock-raising. Dving a few years later, the land was was fit for little besides stock-raising. Dying a few years later, the land was divided among his four sons and one daughter. The boys, who are good citizens but not practical farmers, sold off most of the land little by little, chiefly in small tracts. Among those who have purchased these small tracts are D. Edson Smith, George W. Ford and others, to whose success we have referred. Many of these tracts could not now be had for what the late Mr. Ross paid for the 2000 acres.

A PRIZE HOME-BUILDER.

A PRIZE HOME-BUILDER. Among the most prominent home-builders of this or any other section of Southern California is D. Edson Southern California is D. Edson Smith, a man who happily combines the theoretical and practical of small farmings with the power to describe what he has accomplished—a power that is too often lacking among practical men. Mr. Smith is an enthusiastic believer in the possibilities of a small tract of Southern California land, and willingly volunteered to give his experience. He started here seven years ago on ten acres, within the limits of Santa Ana. He had just enough money to buy the land and plant trees, there not being sufficient left for a team, to earn money for which he had to work out. Mr. Smith believes in "intensive" farming. He does not waste a rood of ground. In starting, he set out an acre and a half to grape cuttings and planted peanuts between the rows. In the fall he sold the peanuts for over \$90. This was an extra yield and an extra price. Between the fruit trees, vegetables of all descriptions were planted, and it was not long before the family table was well supplied, and there was corn fodder and beets for horse and cow. An acre of barley was ready to cut by May, and alfalfa by June, and it was cut three times more during the year. The second year it was cut eight times, irrigating after each cutting. Besides the milk, cream and butter used in the family from one cow, there was sold \$75 worth of butter the first year. The sales from peanuts, potatoes, butter, eggs, peas, beans, tomatoes and other vegetables amounted to several hundred dollars, while the cash outlay for subsistence for the same time was only \$86.05, this being largely for meat, flour, sugar and fresh fruit for canning. The only Smith, a man who happily combines

writer on the 12th of December picked ripe blackberries on Mr. Smith's land. Others were ripening, while on the same canes were blossoms. Figs were also plucked from the tree, guavas were ripening, beans and peas ready to gather, and all this within two weeks of Christmas!

weeks of Christmas!

To succeed like this, constant watchfulness and care are necessary. The markets must be anticipated as much as possible. Everything that can be turned into manure must be saved, and when a load of produce is taken to market a load of plant food should be brought back. Mr. Smith cousiders a properly-kept flock of hens a most valuable adjunct to the resources of a small farm, and a constant source of profit. He runs two incubasources of a small farm, and a constant source of profit. He runs two incubators, and says there is more profit in this than in any other legitimate business. As the settler's trees grow old, the vegetable growing between will be gradually contracted, and small fruit raising increased. At or before the end of ten years, a family may, in this way, expect a net income of \$1000 a year on an average, over and above a good living. In exceptional cases, this good living. In exceptional cases, this figure may be quadrupled, while in others it will fall below. These are conservative figures. In Mr. Smith's own case, he gives the following own case, he give statistics of receipts:

100 10-year-old and upward walnut to 100 pounds per tree, at 6 cents

Total.....

land.

The section of Orange county known as Newport, formerly called Gospel Swamp, is about four miles south of Santa Ana, comprising several thousand acres of the choicest land in the State. The soil is a sedimentary loam, which grows especially fine cern and alfalfa. It is also well adapted to apples and pears. Dairying is becoming one of the prominent industries.

MONEY IN PEARS AND APPLES. Gilbert Lynch is an old settler who has 40 acres, about 20 acres of which are under cultivation. Ten acres are in "devil grass" pasturage, which he in "devil grass" pasturage, which he considers as profitable as any of his land. He has a young orchard, mostly pears of the Halesworth variety, which look fine. His trees are 4 years old, and yield about 150 trees to the acre, which, at 14 cents a pound, is equal to \$160. Mr. Lynch says there is money in raising pears and apples, and intends to increase his trees.

nearly \$1000 worth of hogs raised from a \$1 sow in less than three years. MORE DAIRY SUCCESS

M. H. Bear, a neighbor of Mr. Armstrong, is another old settler, who is also engaged in the dairy business, and is making a success of it. Last season he sold from 19 cows \$993 worth of butter, besides what was used by the family and twoboarders. Besides this, he raised 19 calves.

APPLES AND PEARS.

A. P. Selvidge owns and cultivates 63 acres of land. His orchard of apples and pears is hard to beat. His trees are about 14 years old, and are prolific bearers. Mr. Selvidge says he has gathered as much as 700 pounds of fruit from a single tree, which he sold at an average of 1½ cents per pound, or \$8.75 a tree. As there are about 100 trees to the acre in his orchard, this would give a yield of \$875 per acre annually.

PLUCK AND PERSEVERANCE RE-

PLUCK AND PERSEVERANCE RE-WARDED.

J. H. Moesser arrived here in 1873 dead broke," having just enough to keep him a short time in provisions. The first year he rented about 15 acres of land and obtained some necessaries on credit. He had a big family, consisting of a wife and seven children. Next year he bought 40 acres on time, not paying a cent down. He supported his family and paid for this land from what he made out of it the first year, growing corn and some potatoes. He raised all his own vegetables, not buying them, as so many farmers now do, from Chinamen. He also raised chickens, hogs and so forth. Whenever he had a little produce on hand he would take it in a wagon to San Bernardino or some other place to sell it, and bring back shakes to build a house with. In this way he sold large quantities of eggs, chickens, potatoes and other produce. He husked his own corn, the job lasting from November until February. It was hard work to him, as he was inexperienced at it, but he had no money to spare for help in those days. His land is rich, as may be judged from the fact that he has raised 17 crops on the same land, two crops having been raised thereon previously, and the soil will yield another good crop this winter. It has averaged nearly eighty bushels of corn to the acre. Mr. Moesser put out a few trees the first year, enlarging his orchard as his means allowed. He planted mostly pears and apples. These fruits have done best in that section, it being low land. The fruit has been sold on the spot, \$2.50 per 100 pounds having been received for apples. His apple orchard will yield \$150 net per acre. Besides vegetables for his family Mr. Moesser has always made it a point to raise bis own hog meat, chickens, butter, fuel, etc. This he considers a great factor in his success. He says: "There is not a place in the United States, where a man can get alongs owell as here, provided he works and practices economy." Judgment must of course also be exercised. For instance, Mr. Moesser always keeps his corn until he can get a good price for it. He has made enough every year in this manner to pay his taxes. In one case h

section, Mr. Turner seems to have solved the question of whether or not a man can make a living on 10 acres. BUTTER AND BLACKBERRIES:

Henry Stephens has made a success at farming and stock-raising. He owns 80 acres of land, the greater portion of which is in alfalfa. He is dairying, and milks 15 cows. Last season he sold \$52.50 worth of butter from each cow he milked. He has a fine orchard and quite a large piece of land set to blackberries, which he claims will yield four tons per acre per claims will yield four tons per acre per

GREAT ONION YIELD.

John Moss owns 80 acres and cultivates about one-half of it. He excels Vates about one-main of it. The excess his neighbors in raising onions, both in size and quantity per acre. He raised 300 sacks last season, that weighed all the way from one pound to five and one-fourth pounds each. The previous season he raised from one-sixth of an acre 87 sacks, or at the rate of 52,200 pounds per acre.

WONDERFUL CROPS. S. J. Murdock is an old bachelor and an experienced gardener, from the northern part of the State, who bought an exporienced gardener, from the northern part of the State, who bought 10 acres here a couple of years ago, and has given a most wonderful example of what may be done on that amount of land, with industry and judgment. His case was referred to in last year's Annual. Mr. Murdoch, to exemplify the fertility of the soil, told-how he took a corn crop off his land in December and planted the land to onions. He gathered the crop of onions in May and June and got 350 sacks to the acre, which paid him \$450. Then he plowed and planted to onions again (this time, the small kind for pickles) and in 90 days took off the second crop—150 sacks to the acre. On Soptember 25th he sowed the same land in cabbage seed and took off from it 100,000 plants. After the cabbages he sowed to onions again (November 1st) and they were then sprouting, end of that month. Thus two large crops of onions and a crop of cabbage plants had been taken off this ground in 12 months, and a fourth crop started on the way. Mr. Murdoch grows asparagus all the winter. He has raised in time for the early spring market and for shipment east (crops being gathered in February winter. He has raised in time for the early spring market and for shipment east (crops being gathered in February and March) 8000 cabbages to the acre. The largest head weighed 32 pounds and the gross yield was 30 tons to the acre. The cabbages sold at \$17 to \$20 at on. In beets, a yield of 100 tons to the acre is quite possible. Mr. Murdoch dug one beet that weighed 45 pounds. Among other instances of what may be done upon this soil may be mentioned a yield of 1000 bushels of onions from an acre in a single crop, and 3000 pounds of pumpkins from three vines.

CORN AND POTATOES.

CORN AND POTATOES.

G. W. Rogers's corn crop averaged 100 bushels to the acre; potatoes, 130 sacks. W. C. Jones sells \$75 worth of butter from each cow he milks.

Josiah McCoy is the Justice of the Peace at Westminster. He came there Peace at Westminster. He came there 16 years ago with very little money and bought 40 acres on the old colony terms, planting it to corn, potatoes and hay. Next he raised some alfalfa, bored wells and went into dairying. He then leased 80 acres more adjoining his lands, which he planted to alfalra. Mr. McCoy has a large family and has made a good living for them from the beginning. He has also taken up some Government land at Beaumont, San Bernardino county. He makes a specialty of dairying, feeding his cows mainly on alfalfa. He, has a fine apple orchard and exhibited 18 varieties of apples at the Les Angeles fair two years ago. He also raises some apricots, peaches and other fruits. He has raised some corn on peat lands which grew 15 feet high. His butter goes mostly to Los Angeles. The Westminster section badly needs a creamery. Mr. McCoy says that all who are willing to work are making a good living around there, while many are building up a good bank account.

EXECUTE: **TARTED IN A SMALL WAY.** 16 years ago with very little money

STARTED IN A SMALL WAY.

J. V. Sutton came to Orange nine years ago. He landed there without J. V. Sutton came to Orange nine years ago. He landed there without means, but with industry and a sturdy determination to succeed. He had quite a good-sized family to care for, besides himself. Buying 15 acres of land, on time, he commenced to raise cern and hogs, and gradually, as he was able, planted trees, mostly walnuts, of which crop he thinks highly. His trees are now mostly 5 years old. Between the trees he raises corn. This can be done successfully for five or six years, and Mr. Sutton says that in this manner two-thirds of a full crop may be averaged, or say about 50 bushels, his clear land averaging 75 bushels. He raises chickens for family use, and says there is money in the business for those who attend to it. Mr. Sutton has built a neat house on his place. He takes two crops off most of his land—

first about three tons of hay, and then corn. He has no doubt whatever that an industrious man can make a good living for himself and family and something more on 10 acres in this section. section.

BENEFITED IN HEALTH AND PURSE. P. Lyon left Northern Illinois for California in 1874. He was doing a good business there, but was a great good business there, but was a great sufferer from asthma and was forced to leave. When he left Illinois he weighed 140 pounds, now he turns the scales at 200, and is the picture of health. He first went to Vaca Valley, in Solano county, coming to this section the following winter. Since he has been in California he has not had a single recurrence of his asthmatic troubles, although he had a bad attack on his way from the East. He bought 25 acres unimproved, where he now resides, and moved on it two years later, setting out a good many orange trees. He raises many chickens, and says he could not have lived very well without them. They need careful attention, and one should begin in a moderate way, not trying to keep too many at first. Mr. Lyon has also some apricots and prunes, for which he has no trouble in finding a market either and prunes, for which he has no trouble in finding a market, either fresh or dried. Altogether, he has about ten acres in fruit. He has cleared as much as \$1500 in a year, in addition to a good living for himself and family.

addition to a good living for nimes, and family.

The vine disease and orange scale have temporarily reduced his income, but Mr. Lyon declares that he would not go back East under any consideration. A short time ago his wife thought she would like to go back East, and stayed there six months, but she now says she would rather live here on bread and water, than there on the fat of the land. Mr. Lyon has made a considerable amount of money out of considerable amount of money out of his small farm, and has invested it in property. He is a subscriber to-the Mirkou and keeps himself well-informed upon matters relating to his

business.

SUCCESS IN POULTRY.

Exponents of success in the poultry business are Messrs. King and Shanks, who leased 10 acres about the first of business are Messrs, King and Shanks, who leased 10 acros about the first of the year for that purpose. They commenced operations in February, and are making a signal success. They do their own hatching by incubation, securing about 75 per cent. from eggs used. They have something over 600 full-grown ducks on hand and 500 chickens. They have had no disease among their poultry. There is a remarkable agreement among those who have given the industry a fair trial, as to the profitable character of the poultry business. The market for eggs and chickens is never glutted. Eggs are as good as cash at the grocery. The trouble is that most people who go into the business are too careless and will not take enough pains to keep their fowls clean and healthy. Another settler in this district, F. A. Gates, who has 1100 fruit trees on his 20-acre ranch, also makes a specialty of poultry. He has 500 laying hens. In 1888 he sold \$625 worth of chickens and eggs from 250 laying hens. He calculates that his profits for the past season will foot up \$1000 from his poultry. A COMPETENCY FROM CORN AND HOGS. COMPETENCY FROM CORN AND HOGS

W. B. Pendleton came to the Los Nietos Valley in 1870 without a dollar. He went to work for wages, and at the end of the first year was able to buy a end of the first year was able to buy a team. The second year he rented some land and made a crop of corn, which he sold, and applied the proceeds as a first payment on 40 acres of land that he had contracted for. This he planted to corn, managed to buy some hogs, which he fed his corn crop to, and the next spring he sold his hogs for a sufficient sum to pay for his 40 acres. He kept up the business of raising hogs and corn, from which he made a good profit. Today he owns 270 acres of choice land, a large quantity of valuable stock and a handsome bank account, all of which were made by tilling the soil and raising stock. Mr. Pendleton's address is Norwalk.

\$45,000 IN ELEVEN YEARS.

\$45,000 IN ELEVEN YEARS.

T. D. Cheney started in 1876, near Downey, in debt for his 40 acres of land. By work and good management

cumulated means, bought other land and planted fruit trees and vines. To-day he has a large income, and does not necessarily work.

CAME HERE "DEAD BROKE.

Henry White owns 40 acres of choice land in the Ranchito neighborhood, near Rivera. His place is highly improved, and is principally set to Euglish walnuts and fruit trees, bringing lish walnuts and fruit trees, bringing its owner in a handsome yearly income. Mr. White came to the valley in 1876, dead broke, went to work for wages, and, at the end of two years, accumulated sufficient money to make a small payment on 40 acres, which he planted to corn, working for wages at such times as his crop did not require his attention. At the expiration of two years he paid for his place, and has improved it, bringing it to its present high state of cultivation and profitable condition.

WHAT HE DID WITH \$500.

James Tweedy came to Downey in 1882, with about \$500. He bought 65 acres on time for \$3500, and planted it

acres on time for \$3500, and planted it all to corn. Next year he planted corn again, and with the proceeds of the two crops paid for his place and had \$1000 left. In addition to this, he had supported his family. With the \$1000 he built a good house, and then planted 20 acres to English walnuts, which bring him in a large annual income.

O. P. Parsons, one of the oldest settlers in Downey, planted 14 acres to walnuts about 1870. In 1883 he exhibited shipping receipts and papers which showed that these walnuts had netted him \$300 an acro. The remark was made to him that he would probably not sell this land for less than \$3000 an acre, whereupon he replied that he would not sell at that price, as his income therefrom was increasing steadily come therefrom was increasing steadily every year, and he would know of no better investment for his money.

HE ARRIVED WITH A PAIR BLANKETS.

J. E. Luther came to Tustin about 10 years ago, his possessions being confined to a pair of blankets, a shotgup, ined to a pair of blankets, a shotzun, a pair of strong arms and a stout heart. He went to work for a farmer at \$1.50 a day. In a short time he was able to purchase a small plece of land on time, setting it out gradually to oranges, apricota and grapes. He now owns a well-improved place, with a comfortable house on it. Two years ago he mades \$500 from a little over half an acre of apricots, which he dried in the sun, without assistance.

AN ENTERPRISING MAN.

AN ENTERPRISING MAN.

J. T. Moorhead came to Tustin about 2 years ago with very little money. He has since had several places, im-He has since had several places, improving and selling them at good prices. He has planted many trees. He has 10 acres which were in grapes. These he has dug up, on account of the vine disease, and is now planting the land to oranges and walnuts. He also has a home place of about two acres, with a nice house on it. Mr. Moorhead is well fixed now, being out of debt and owning both these places, with a little over and above.

owing both these places, with a little over and above.

Along the western limits of Santa Ana, bordering the Santa Ana River, is a strip of country formerly considered worthless, but now very fertile and easily cultivated, needing little irrigation, and for many crops none at all.

BIG PROFITS FROM DECIDUOUS FRUITS. A. Chase owns and cultivates 22 acres in this section. His orchard covers seven acres; 200 apple trees and covers seven acres; 200 apple trees and 500 pear trees. About 50 pear trees are now bearing. There is not a single weed in his orchard. Two and a half years ago two and one-eighth acres of Mr. Chase's apple orchard netted him \$400; the apples being sold at the very low figure of three-quarters of a cent per pound. His corn crop averages about 80 bushels an acre, and his alfalfa eight tons an acre. He thinks there is more money in deciduous fruits than in any crop he can raise, and will increase his number of apple and pear trees. and pear trees. CORN AND ALFALFA.

George M. Stanton owns 16 acres, seven acres of which is in corn, seven

seven acres or which is in corn, seven-in alfalfa and two acres of orchard. He claims that his alfalfa will yield nine tons per acre, and his corn 75-bushels per acre. He thinks that corn and alfalfa are the best paying crops he can raise on his rauch. His orchard looks well and the trees are good well bearers.

INTENSIVE FARMING.

J. M. Copeland's 11-acre ranch, near Santa Ana, is one of the finest in the Santa Ana, is one of the finest in the valley. It is all planted to walnut trees that have just commenced bearing. The walnut tree is rapidly taking the place of the vineyard in this section, and in some instances it has displaced the orange grove. Deciduous fruit trees are set between the walnuts, and squashes are growing between these trees. He sold last season \$290 worth of squashes from this land. worth of squashes from this land,

thus proving that a walnut grove can be grown until it becomes profitable, and the ground used for general farm-ing purposes at the same time.

BIG YIELD OF APRICOTS.
E. Marsh, near Villa Park, owns 10 acres of choice land, on which he is making a good living for himself and family, consisting of seven in all. He has a splendid orchard, all in deciduous fruits. He sold in one season \$160 worth of fruit from 90 apricot trees.

RESTORING A SCALE-INFESTED OR-

W. B. Lamson's place, near Santiago Creek, shows what can be done with orclifards that have been neglected by careless owners. Two years ago he bought 17 acres of first-class land, and five acres of the land had been set out in orange trees, but they were in a terrible condition. They had been badly neglected, and the scalebugs had got such a hold on them that they were almost completely bare of foliage, many of the branches being entirely dead. To attempt to restore these trees to a healthy condition appeared a most difficult task. It was some time before Mr. Lamson could make up his mind whether to dig up or make an attempt to save them, but be finally decided on the latter course. He first trimmed off the dead branches, after which he gave the trees a good spraying, then a thorough cultivation and a pientiful supply of fertilizers. He commenced this course about a year ago, and has continued it as required up to the present time, and a more wonderful transformation can hardly be imagined. The trees are now covered with a new, healthy growth, and are fairly well loaded with clean fruit of a good size. His Washington Navels will compare favorabiy with any in the country. It is the opinion of those whose views are entitled to respect that a prudent, careful man need have little fear of the red or black scale on his citrus trees. It pays to cultivate and fertilize. Mr. Lamson also does well by raising vegetables for the eastern market. He has eight acres planted to green peas.

On a neighboring place \$100 worth of blackbarries were sold the last age. tiago Creek, shows what can be

green peas.
On a neighboring place \$100 worth
of blackberries were sold the last seaof blackberries were sold the last sea-son from four rows of briars 90 feet long. Another neighbor asserts that \$200 clear money can be made every year from 100 hens, if properly man-

aged.

SHIPPING WINTER VEGETABLES J. P. Williams, in the thermal belt, along the footbill gange, has 12 acres in tomatoes and eight in peas, which he ships east during the winter. The laud was formerly in vines. Haif a dozen persons were engaged in gathering the tomatoes with which the vines were thickly covered on the 18th of December. Mr. Williams was not at home when the writer called. There is a big opening for the vegetable shipping industry in this section, and a number of other settlers have already commenced in it. J. P. Williams, in the thermal belt,

ANOTHER MAN WHO "BROKE."

R. M. Hargrave came to Santa Ana 15 years ago "dead broke." He bought 15 years ago "dead broke." He bought 30 acres, two miles north of town, on time, and worked out to make a little money. He planted his land to corn, and after the second year began to plant fruit trees, mostly orange. He has married since settling there. He now owns a well-improved place. His vines, like others in the neighborhood, have been lost through the vine disease. They paid well while they lasted. He has found chickens profitable. He has made a good living from the start, and has put by a little money each year. Four years ago he first planted peanuts. This year he raised 200 sacks, worth \$2 a sack, on eight acres. He has planted some walnuts, which he prefers setting out from the seed, transplanting them just after they have sprouted. He thinks they bear earlier this way. In 1883 he made over \$200 from one and a quarter acres in watermelons. Mr. Hargrave says he never saw a more happy and contented people than lived around Santa Ana five or six years ago, before they became infected with the speculative craze. This, however, is rapidly dying out, and old conditions will soon be restored. In 1888 Mr. Hargrave raised 20 tons of sweet potatoes on two acres. Many of them weighed 15 pounds and the largest 20 pounds. He sold them at an average price of \$1.25 per 100 pounds. 30 acres, two miles north of town, at an average price of \$1.25 per 100 pounds.

A Corn-growing Country.

A Corn-growing Country.

One-half of the corn raised in the State of California is grown in Los Angeles county. The corn produced in this county is the finest that can possibly be grown, grading at the highest standard fixed by any of the great grain markets of this country, and the yield per acre is enormous, averaging frequently 100 bushels to the acre, while in many places the stalks grow while in many places the stalks grow 16 feet high.

SECRETS OF SUCCESS.

HOW TO EXTRACT WEALTH FROM THE SOIL

Valuable Hints from Practical Home Builders-Over-irrigation-Too Much Land-Fertilization Versus Disease

N traveling through Los Angeles county in search of information for the ANNUAL TRADE NUMBER & Times representative gathered many interesting facts and hints from practical horticulturists in relation to their business and to home-building in general. A few of these points have been embodied in the following paragraphs. They will doubtless be found interesting and valuable to those who think of venturing upon "a little ground well tilled" in this section:

GIVE WALNUT TREES ROOM.

Walnut trees should have plenty of Walnut trees should have plenty of room in the orchard. Many do not bear a full crop because they are crowded too close together. Besides this the trees bears, under such circumstances, a smaller and inferior nut. The trees should not be less than 50 feet apart. A grower who took up half his trees found that he got a greater quantity and better and more market-able-nuts off the same area of ground than he did when it contained double the number of trees.

DON'T OVER BRIGATE.

DON'T OVER IRRIGATE

Irrigation is too much practiced. It is overdone. Many fruits can be grown of better quality without irrigrown of better quality without irrigation. The ground should be plowed
deep and kept plowed deep each year.
It should be cultivated thoroughly to keep the weeds down
and from growing, ceasing after the
season for weeds has passed until the
next year. In various localities in Los next year. In various localities in Los Angeles county are soils with surface water from 19 to 50 feet deep. On such soils deciduous fruits and grape vines do very well and produce fine crops of fruit of the best quality. The orchardist who produces truit without irrigation will have the best fruit at the least cert.

IDIOSYNCRASIES OF THE ORANGE.

The orange tree is one of the hardiest fruit trees that grow. It will survive more abuse than any other; but to realize the greates amount of good, it requires special attention and studious care. In our climate, and under our system of culture and irrigation, it insystem of culture and irrigation, it insists on being dormant three or four times a year and these times are irregular in every grove. Two trees, standing near each other, seldom agree exactly as to their times and period of growth. The cause of this is unseen, but the result needs attention. All who have had much experience in spraying trees for pests have observed that the same wash, put on at the same time, on a row of trees, does not have the same effect upon each, and this is owing, no doubt, to the different conditions of each with respect to growth.

DON'T FARM TOO MUCH LAND. One of the chief points insisted upon by successful home-builders through out the country is that the settler should not fall into the error of attempting to cu'tivate too much land. The old Californian idea of farming is derived from the time when ranchos were measured by the square league, and a man could not tell within a thousand or two, how the square league, and a man could not tell within a thousand or two, how many cattle or horses he possessed. Then came the days of big wheat farms—vast extents of land scratched over by gang plows, and from which one good crop in three years was considered a fair average. To such farmers, who "put in" so many hundred or thousand acres in grain, much as they would speculate a like amount in mining stocks, the idea of attempting to farm on anything less than a quarter section of land appeared preposierous. They did not seek to build homes, but to "make a raise." It was only with the advent of fruit-growing as a regular business that the era of small homes began and the true capabilities of the soil of Southern California began to be understood. Many practical cultivators express the opinion that a man can do better on 10 acres of land in this section than upon practical cultivators express the opinion that a man can do better on 10 acres of land in this section than upon 160 acres. Ten acres is about all that one man with his family can attend to, if worked to its full capacity, and as soon as the settler has to begin to have help, the profits decrease very rapidly, so that the difference between the net profits of 10 and 20 acres is not nearly so great as might be supposed. There is plenty of work on 10 acres, properly cultivated, in addition to the care of chickens. cows. bees, and so forth, to chickens, cows, bees, and so forth, to

keep a large family busy the year round. Fruit trees can be planted on the land, between them small fruits, the land, between them small fruits, and then again vegetables, until the trees become too large. Under such circumstances there is further a constant succession of crops, from the 1st of January until the 31st of December, so that the settler need not spend an idle day, unless he pleases. All who have tried it in the right way and have persevered agree that a man can make a good living for himself and family and lay by some money in bank upon 10 acres of land.

FERTILIZATION VERSUS DISEASE.

"I believe," said a practical horti-culturist, "that three-fourths of the cases of insect pest depredations among our orchards and vineyards are due to

FERTILIZATION VERSUS DISEASE.

our orchards and vineyards are due to lack of proper fertilization. Because our soil is wonderfully rich, the farmers appear to think that it can go on growing crops forever, without fertilization. This is as absurd as to suppose that a man could keep taking money from a pocket into which he puts nothing back, and yet always have the same amount on hand. The consequence is that the trees, like human beings, being ill nourished, become an easy prey to disease. Feeding the trees and vines with what is necessary for plant life will, in my estimation, greatly lessen the danger from disease."

RAISE A VARIETY OF CROPS.

RAISE A VARIETY OF CROPS. It is a good plan not to put all your eggs in one basket. Raise a variety of crops; then, if one fails, you will have others to fall back upon; or, should the market be depressed for one variety of produce, prices may be good for an-other; yet another reason for a variety of crops is that, in this manner, work is provided for almost the year round, instead of having it all crowded into a few weeks or months.

GROW WHAT YOU EAT.

One of the first lessons for the small farmer in Southern California to learn is to raise, as nearly as possible, all he consumes in his family. By keeping chickens, a cow and bees, and growing vegetables and small fruits, this may easily be managed; sales of extra eggs and chickens being sufficient to buy what few groceries are needed. This makes quite a marked difference in the year's expenditure. The custom among California farmers of buying their milk, butter and vegetables is most extravagapt and senseless, in a land where alfalfa and vegetables grow almost spontaneously.

WATCH YOUR MARKET. learn is to raise, as nearly as possible

WATCH YOUR MARKET. Watch your market. Do not place yourself in a position where you have to dump your produce on the market as soon as the crop is gathered. If you do, you may be sure you will come into close competition with many of your neighbors who act in the same your neighbors who act in the same shiftless manner, and the result will be low prices; whereas, by carefully watching the market, and selling when it is high, you may secure the top price. In another column of this issue is an interview, in which a farmer tells how he has always made his taxes by hold-ing his corn until prices were high.

WASTE It is not alone in failing to grow crops which might easily be raised that California farmers are thriftless, but n wasting much of what they do grow How many thousand tons of fruit and other produce go to waste every year in Southern California! This is all wrong. If fruit can not be marketed fresh, it can be preserved by drying, canning, or otherwise. Such work can frequently be done during odd hours, when there is nothing else to be done. Among the fruits which largely go to waste in this section are the smaller varieties of oranges, which are not readily marketable in their fresh-state, but may be readily converted into marmalade, which is now largely imported from Europe. Such utilization of produce which is now wasted would go a long way to change unprofitable into paying farms.

PROFITS OF POULTRY. How many thousand tons of fruit and

PROFITS OF POULTRY. There is no one subject upon which a TIMES representative found the small farmers of Southern California so unanimous as upon the profits of unanimous as upon the profits of poultry raising, when it is given proper attention. Many settlers stated that they could not have made expenses from the start, had it not been for their poultry. Eggs always fetch a high price in this country, and are as good as gold in exchange for groceries. The main points insisted upon in keeping poultry are cleanliness, fresh water and green food. They also need shalter at right as the Southern Col. water and green 1003. They has been shelter at night, as the Southern California nights are very cold, in contrast to the days.

THE ALMOND.

Almond culture has not hitherto proved a brilliant success in Southern California. The varieties formerly planted have been found in most cases undesirable, and have yielded little or no profit to the owners. As a conseno profit to the owners. As a corquence, many trees have been dug

or grafted to other fruits. Recently, however, some California seedling however, some California seedling varieties have been introduced, which have done very well, and the result will doubtless be the planting of a considerable acreage to this fruit, which is very profitable. It is a rather delicate troe in its choice of a location, preferring sheltered corners and a light, friable soil.

ALAMEDA COUNTY.

Comparison - Los Angeles Still Holds the Second Place, lOakland Enquirer, A tabulated statement of the wealth

and taxation of the 53 counties of the State has been issued by Controller John P. Dunn, which shows that in both respects Alameda is highly favored. The total assessed value of property, including railroads, in this county is \$71,896,182, which is larger county is \$71,896,182, which is larger in amount than the wealth of any other county except San Francisco and Los Angeles. Although a portion of Los Angeles was set off to create the county of Orange, Los Angeles maintains her place as the second wealthiest county in the State, with \$84,376,319 of property. San Francisco is assessed for \$291,700,433. After Alameda, Santa Clara and San Joaquin are the wealthfor \$291,700,433. After Alameda, Santa Clara and San Joaquin are the wealth-iest counties, the former having \$53,000,000 and the latter \$38,000,000 of taxable wealth. Then comes Sacramento and Fresno with \$34,000,000, and San Diego and Sonoma each with \$31,000,000. The counties with valuations between 20,000,000 and 30,000,000 are in the order named: Colusa, Tulare, San Bernardino, Yolo and Solano, The little county of Alpine has for much over a quarter of a million of property, and Mono has less than \$1,000,000. The new county of Orange falls short of new county of Orange falls short of \$10,000,000.

Generally the larger counties have the lower tax rates—something which advocates of county divisions ought to the lower tax rates—something which advocates of county divisions ought to remember. San Francisco, with a tax-rate of \$1.722, is an exception to the rule, and the rate in Los Angeles is higher than in Alameda. Our State and county rate is \$1.15 inside of incorporated cities and \$1.45 outside of such cities, where road taxes are levied. In Los Angeles the rates are \$1.50 and \$1.80 respectively, while in Santa Clara they are the same as in Alameda. Santa Barbara also enjoys the same low rate, while San Mateo and Colusa have the lowest rates of all, the former 1.08 and the latter 1.10 outside of incorporations. The smallest county (in wealth) has the highest rate, the people of Alpine having \$3 on each \$100 of valuation. Mariposa, Del Norte, Inyo, El Dorado, Shasta, Sierra, Trinity and Yuba are the other counties which have exceptionally high rates. The total valuation of property in the State's \$1,111, 500,979, of which a little over \$40,000, 000 consists of railroads.

SUGAR BEETS.

Further Analysis of the Chino Ranch Products.
[Chino Champion.]

The latest analyses of sugar beets by Mr. Gird gives some unexpected and encouraging results. It was feared that after the beets matured the sugar would gradually turn to glucose. Analysis several weeks ago proved that this process was slow and but that this process was slow and but slight 70 days after maturity, whereas tests this week indicate a fair probability that the glucose is diminishing and the sugar increasing. A few weeks ago 4-10 of 1 per cent. of glucose was found, and at no time a higher percentage. This, of course, was trifling, but indicated the tendency feared. On Tuesday of this week [December 17th] beets grown by Messrs. Crawford & O'Donnell, on the western part of the Chino ranch, were taken out of the ground and accurately tested. The seed was planted April 1st, and the beets undoubtedly matured in less than five months—perhaps in four—the exact time was not noted. But allow the time to have been five months, and then the beets just tested remained in the ground 100 days after maturity. The analyses give these results: Total solids, 16; cane sugar, 13.2; purity, 82.5; glacose, 5-100 of 1 per cent. Although there is a large loss in sugar, yet it is less than 1 per cont. below the standard, with purity 25 per cent above standard, and the glucose less than contained in beets from the same planting tested several weeks ago. There are facts which may exslight 70 days after maturity, whereas

same planting tested several weeks ago. There are facts which may explain these unexpected changes, but the scientific may apply them. A very gratifying fact seems to be proven: that sugar beets may remain the grand hard. ago. There are facts which may explain these unexpected changes, but the scientific may apply them. A very gratifying fact seems to be proven: that sugar beets may remain in the ground here 100 or more days without deterioration to injure them for successful manufacture, and this fact considered with the other one, that seed may be planted over a period of four or more months, assures a very long season for both grower and manufacturer—two points of great value.

—looking like a fine line drawn across the face of the mountain at the north, appearing over the creat of an intervening foothill, from some point behind it, and rising by an even but rather steep grade, and finally disappearing in the mouth of Arroyo Secondary by a Capt. Moore, who intended to testablish a short cut over to the Big Tejunga, and from thence to the Soleday. After completing it for a dis-

THE ROBBER VASQUEZ.

SUPERINTENDENT MILES'S INTER-VIEW WITH THE BANDIT.

A Dramatic Incident on the Site of Pasadena—A Close Shave for ex-Governor Stanford and Party-Interesting Reminiscences.

IFTEEN years ago a scene was enacted on the site of the present city of Pasadena, in one of the closing acts of a tragedy in real life, the leading actor in which ended his romantic career a few months afterward on a scaffold in the jail yard at San José. The incident-a commonplace highway robbery merely—derives its historical interest chiefly from the circumstance that the line of retreat chosen by the robber on that occasion proved an accidental trap. It de-stroyed his shrewdiy-laid plans, and contributed directly to his speedy capure, thus bringing to a close a career of high-handed robbery which had extended over a period of twenty-five years, embracing a series of operations then unparalleled in the history of the Pacific Coast.

At this time the broad tract, sheltered by bold spurs of the San Gabriel range on the north and east, and ex-tending to the gulch of the Arroyo Seco on the west, and gradually de-scending and widening out into the San Gabriel Valley at the south, was only a wild common, where civilization had just begun its initial work. In had just begun its initial work. In the neighborhood where the handsome Public Library building now stands, a few streets had been laid out, crossing each other at right angles, and on a few of the lots plain little cottages had been erected, some of them tenanted. At another point the water company of Los Angeles had built a large reservoir. That was about all there was to be seen at that time of the charming city of Pasadena. Its fine public buildings, elegant private residences, broad boulevards and charming orange groves were then all in the uncertain future.

future.

On the 14th of April, 1874, Charles E. Miles, superintendent of the Los Angeles Water Works, accompanied by a friend named Osborne, after a visit of inspection to the reservoir, was returning to Los Angeles in a two-lorge Long at the control of the con was returning to Los Angeles in a twohorse Democrat wagon. They had arrived at a point where the road curved
downward through a little cluster of
liveoaks, when a party of five mounted
Mexicans came into view. They were
riding at an easy lope along atrail
leading north, and were each armed
with a six-shooter carried in a holster
at—the—side, and a Winchester rife
swung from the horn of the saddle.
Their appearance created no alarm, as
mounted men habitually carried arms
at that time and were met with everymounted men habitually carried arms at that time and were met with everywhere. As the leading horseman met the wagon, however, he suddenly raised his rifle, and, pointing its muzzle at Miles's breast, sternly exclaimed: "Hand me your watch and your money, quick!" Miles laughed, goodnaturedly, at what he thought was intended as a rough joke, saying: "That's pretty well done! I hope your gun ain't loaded, though?"

"Yes, it's loaded," was the quick response, "and I'm in earnest! I am Vasquez, and yonder comes the Sheriff after me and my party now—don't you

after me and my party now—don't you see them?"

Sure enough, an armed party was seen coming up from the direction of San Gabriel, urging their horses to the

San Gabriel, urging their horses to the top of their speed.
"Prontol Prontol (quick! quick!) there's no time to lose!" urged the robber; and, comprehending the critical nature of the situation, Miles handed over his \$430-gold watch and chain and what few dollars he hapened to have in his pockets. Mr. Osborne, also obeying the law of necessity, gave up his silver watch and his pocket money, and, with a saucy "adios!" the audacious highwayman and his fellow cut-throats put spurs to their mustangs and dashed away to the north, in the direction of Moore's Trail.

From almost any point in Pasadena

From almost any point in Pasadena new a section of that trail can be seen

tance of about nine miles, and across
the summit of the divide, to a point
within two miles of the Tejunga, the
work was abruptly ended, its further
progress being found absolutely impracticable. There was a dense
growth of manzanita, the branches of
which were so intricately intertwined as to form a network so close and strong that a wildcat would be puzzled to find

its way through it.

The "flat" sloping toward the deep The "flat" sloping toward the deep caffon was everywhere seamed with deep, precipitous galches, choked with fallen timber and huge granite boulders, altogether presenting an accumulation of obstacles that were deemed practically insurmountable.

It is a matter for profound wonder, however, that neither of the old settlers hims gave however within sight.

however, that neither of the old settlers living anywhere near or within sight of the southern end of this trail were aware of the abandonment of so conspicuous a piece of work. It seems to have been taken for granted that the trail was fin shed all right; for in reply to his preliminary inquiries, while forming his plan for escaping to the Soledad region, he was assured by old settlers living close to the foot of the mountain, where the trail begins, that it led over to the Tejunga. He knew that such a route could not be flanked at any point, and would lessen the distance to less than one-half that by the roundabout stage road across the San roundabout stage road across the San Fernando Valley and San Francisquito Cañon.

A few reminiscences at this point will enable the reader to perfectly understand the situation. During the early part of his lawless career Vasquez had twice made his escape from San Quentin Prison, but for the last 10 San Quentin Prison, but for the last to or 12 years previous to the time of which we are writing, he had been so cunning in laying his plans, and so adroit in their execution, as to have baffled the most determined efforts of baffled the most determined efforts of the authorities to effect his capture. He grew bolder and bolder in his operations every year, until his very name became a terror, and it was finally realized that he was really de-preciating the value of property in the State, and deterring capitalists from investing here. Finally, during the fall of 1873, he perpetrated an out-rage that aroused such a feeling of in-tense indignation throughout Southtense indignation throughout South

rage that aroused such a feeling of intense indignation throughout Southern California, and determined the authorities to put an end to his depredations at any cost.

With a party of four followers he made a descent one night on the store of Andrew Snyder at Pai-ci-nos, a little hamlet in that part of Monterey county which has since been created into San Benito county. The place was a lonely one, in a bend of the river near the mouth of Tres Pinos Creek, 12 miles south of Hollister. The affair has passed into history as the "Tres Pinos robbery." Adjoining the store was a hotel kept by Reander Davidson, and in rear of these buildings were a corral and stables. The robbery was planned by Vasquez at the house of one of the conspirators, Abdon Leiva, near Now Idria. This man, a Chilino, had sold his house and crops, put his wife Rosario and the children on a wagon loaded with the household effects, and started her on a journey south to Los Angeles county. Manuel Larios, husband of one of Vāsquez's sisters, accompanied the woman as a guide and to manage the cattle and horses which were driven along. It was agreed that after robbing Snyder's store the gang should the cattreand norses which were driven along. It was agreed that after rob-bing Snyder's store the gang should hasten south and overtake and relieve Larios, and convey the wagon and herd to the "lower country."

to the "lower country."

In pursuance of this plat Vasquez left New Idria, and by way of trails known only to vaqueros and outlaws traversed the mountain range between the Panoche valleys and that of the San Benito, and hid his men in a little gulch above the road and about two miles south of the store early in the morning, and during the afternoon sent Leiva and Moreno to the place to make note of the "lay" of things there. They drank several times at the store, and took several bottles of whisky to their comrades. The party consisted of Vasquez, Chavez, Teodoro, Moreno, Leiva and Gonzalez.

Soon after dark the party burst

Soon after dark the party burst roughly into the store, with drawn weapons, and ordered everybody to lie down. The clerk and two or three cusweapons, and ordered everybody to he down. The clerk and two or three customers who happened to be in promptly obeyed and were quickly bound hand and foot. After robbing the safe and money-drawers the party began selecting articles from the stock of readymade clothing. George Redford, a freighter, driving into the corral while this twas in progress, was ordered to hold up his hands. He refused, with an oath, which was the last he eyer uttered, for he was instantly shot dead. Mr. Davidson, the landlord, was in his backyard at the moment, and instinctively divining that robbers were taking possession, sprang into the house and ran through to close the front door. Just as he was in the act of closing it a shot was fired from the direction of a high well-curb, that stood out in the street; the ball passed through one of the panels of the door and struck the

unfortunate man in the breast. He fell back in the arms of his wife, and died almost instantly. Bernal Berhuri, an Italian sheepherdor, entered the store to buy some tobacco, and seeing the men lying on the floor, tied hand and foot, became alarmed and ran out. He was shot dead while climbing a fence close by. fence close by.

Selecting nine valuable horses from the stables and a lot of readymado clothing from the large stock in the store, the robbers fled southward, overtook Mrs. Leiva on the second day, and relieved Larios, who returned to his ranch near New Idria, while they made all possible speed to the wild country near the boundary line of San Bernardino and Los Angeles counties, where they Selecting nine valuable horses from

boundary line of San Bernardino and Los Angeles counties, where they thought to pasture their stolen stock in safety and elude pursuit.

Meanwhile the telegraph had flashed the news of the murderous outrage far and wide, and the press of the State appealed to the Governor, urging him to increase the reward and institute plans that would wipe the formidable band of outlaws from existence. Capt. J. H. Adams, sheriff of Santa Clara county, happened to arrive at Hollister band of outlaws from existence. Capt.
J. H. Adams, sheriff of Santa Clara
county, happened to arrive at Hollister
when the news was brought there, and
he at once instituted a pursuit so vigorous and so determined that he reached
the Elizabeth Lake region close on the
heels of the fleeing robbers. On his
way he had swung across the valley to
Bakorsfield, and while there he sent a
telegram to Sheriff W. R. Rowland of
Los Angeles. This alert officer instantly organized a posse, composed of picked men of proved courage, skill, energy and endurance, and
coöperated so promptly and efficiently
with Adams that the robbers were
flanked and headed off at Little Rock
Creek Cafion, and effectually baffled
and thwarted in all their efforts to
break through into Mexico. Abdon
Leiva, under the pretense that Vasquez
had seduced his wife Rosario, and that
he was soluting to icongredize, his own life had seduced his wife Rosario, and that he was so anxious for revenge that he was willing to jeopardize his own life and liberty, voluntarily surrendered to Rowland and gave information that materially aided the officers in locating the hiding-place of the gang. They barely missed capturing the wily chief one night by unfortunately taking a wrong road.

On this expedition Rowland's posse, led by him in person, was made up as follows: Under Sheriff Albert John-son, Maj. H. M. Mitchell, Pete Gabriel son, Maj. H. M. Mitchell, Pete Gabriel (who has since achieved an enviable reputation for courage and efficiency as Sheriff of Pinal county, Ariz.); "Babe" Crowell, "Bud" Bryant, Sam Vincent, Constable Sam Bryant, Detective Emil Harris. A few shots were exchanged with Vasquez and Chavez at Little Rock Creek, but when a charge was made upon their position the robbers retreated and escaped to brush on the mountain side. The stolen stock was all recovered.

During the winter months following

During the winter months following Gov. Booth was urged by leading citizens to take some decisive steps to put

During the winter months following Gov. Booth was urged by leading citzens to take some decisive steps to put a stop to this outlaw's career, and he determined to do so, if it cost every dollar in the secret-service fund at disposal for such purpose. He finally decided to put a party of eight men in the field, under the leadership of Sheriff H. N. Morse of Alameda county, an officel who had earned a world-wide reputation for efficiency in the pursuit and capture of criminals. Morse was authorized to select his own men, and to start an expedition when the rains had ceased and roads and trails were passable, and grass sufficiently abundant to maintain stock. The party was made up as follows:

Sheriff Harry N. Morse of Alameda, Sheriff Tom Cunningham of San Joaquin, who had won a reputation almost equal to that of Morse as an officer; ex-Sheriff Ambrose Calderwood, who had also won a reputation by efficient work; Deputy Sheriff Harry Thomas, a noted trail follower; George D. Morse, a son of the Sheriff; Ramer Romero, an accomplished vaquero thoroughly conversant with the mountain ranges, guide; Ralph Faville, Deputy Sheriff, an officer of tried courage; David Davids, cook and general utility man; A. B. Henderson, correspondent of the San Francisco Chronicle. "Boyd" Henderson had won a high reputation for courage and efficiency years before, in the employ of the New York Herald, in pursuit of the famous Lewry outlaws in the swamps of South Carolina—having, alone and in disguise, penetrated to their headquarters, a feat requiring courage and self-confidence of a high order. Mr. Henderson now holds the responsible position of managing editor of the San Francisco Examiner.

I have space for only an interline of their movements. Leaving the Southern Pacific Railroad at Berenda Station, in the San Joaquin Valley, with a four-horse team and wagon, carrying a complete camping outfit and stock of provisions, the party started about the last of March. The plan was to visit every hiding place and rendezvous in of managing of their movements. Leaving the Southelm of the more of the managing of the m

ing either to capture Vasquez and his gang or drive them from the country. Of course there was no expectation that the wily robber would allow the party to catch him asleen—and there were fegitures of Morse's plans "too numerous" to mention. It can be readily understood that while the party was searching any particular section. was searching any particular section, its leader had men at the same moment in other and distant parts of the State cooperating with him and in constant communication.

ment in other and distant parts of the State cobperating with him and in constant communication.

At the time at which this sketch opens the Morse party had arrived south of Fort Tejon. The members were separately inspecting trails, and several men of reliability, familiar with the intricate trails of the region between the San Joaquin Valley and Los Angeles, were also at work. The situation soon became such that every practical avenue of egress from the Los Angeles region to the great San Joaquin Valley was under the watchful scrutiny of the Morse party.

Of this formidable obstacle in his way Vasquez was unaware when he laid the plans for his "spring campaign." He knew that extraordinary efforts would be made when spring opened to effect his capture; he was penniless, and it was necessary for him to make a small stake to begin with. Through a young Mexican sent out for the purpose, Lebrado Corona, he learned that an Italian rancher named Alexander Reppetto, living a few miles southeast of the city, had just sold some wool, and he resolved to obtain the money paid for it. Taking Chavez and three others, he arrived near the ranch on the night of the 13th of April, and on the following morning applied to Reppetto for "work." The Italian was a crabbed, crusty old bachelor, who lived with a single companion, a young nephew, and he surlily answered, that he had no work, adding, in an insulting way:

"I don't think you look as though to the party way ware work." Your hands don't ing way:

ing way:
. "I don't think you look as though you want work. Your hands don't look as though you ever had worked!"
"Who do you think I am, then?" said

"O, I don't know," he replied with a shrug, "you may be therobber Vasquez, for all I know!"

"You are just right, old man," the

"You are just right, old man," the bandit replied; "that is my name, and now I want the money you got the other day for your wool!"

Reppetto dropped on his knees and vowed by all the saints that \$80 was every cent there was in the house. Vasquez took this, and then made him produce his account-book, which soon revealed the fact that the money obtained from the sale of his wool had been placed on deposit in Temple & Workman's bank, Los Angeles. He then compelled the old man to write a check for \$800, then taking the trembling nephew one side, he directed him to saddle a horse, and ride to the city, go to the bank, and draw the money on the check, and bring it to him. He cautioned him not to get nervous and exhibit emotion that would excite suspicion, and defeat the scheme, assuring the young man that, if he failed in the meission, he would not be the check in the scheme, assuring the young man that, if he failed in the meission, he would not be the check in the scheme, assuring the young man that, if he failed in the meission, he would not be the check in the scheme, assuring the young man that, if he failed in the meission, he would not the check in the scheme assuring the young man that, if he failed in the pression, he would not the check in the scheme assuring the young man that, it has a supplied to the check in the scheme assuring the young man that, it has a supplied to the check in the scheme assuring the young man that it has a supplied to the check in the scheme as scheme, assuring the young man that, if he failed in the mission, he would hang the uncle, without delay, and would certainly kill him at the first opportunity.

would certainly kill him at the first opportunity.

The young man fully believed Vasquez would fulfill his threats, and he did his level best to carry out his part of the scheme. His command of nerve, however, failed him. He was pale and trembling when he entered the bank, and, when he laid the check on the counter, the cashier saw that something was wrong. He stepped into the president's room, and stated his suspicion. The president saw that the signature was genuine, but remembered that Reppetto had never once sent a check to the bank. It was his invariable custom to bring his checks to the bank personally.

Sheriff Rowland happened to be closeted with the president. The young man became impatient at the delay, and entering the room insisted on the immediate payment of the check, saying that his uncle's life was at stake, and that he saw him sign the check and knew that it was genuine. They tried to reason with the trembing youth, assuring him that ifte had got into troub'e aid done anything wrong, they would befriend him and keep it secret if he would make a clean breast of it. He now broke down entirely, and owned up that his uncle was at Vasquez's mercy, and that the robber would take his life if the money was not forthcoming.

Requesting the president to detain

"Why, here's only \$500! The check called for \$800! How is this?"

The truth was told frankly, the boy saying he had done the best he could. Vasquez, saying that when a man tried to do the best he could for him he could ask no more, looked out the window, and discovered the Sheriff and his posse just coming into view about a mile dis-tant. He and his followers rushed out, vaulted into their saddles, and clapping spurs to their fleet horses, dashed away toward their chosen line of retreat, Moore's Trail, little dreaming of the terrible disappointment it was to prove

toward their chosen line of retreat, Moore's Trail, little dreaming of the terrible disappointment it was to prove to them.

I have briefly narrated their explott in robbing Miles and Osborne on their way to the trail. They barely missed, by about five minutes, meeting ex-Gov. Stanford near the same spot. The Governor, who was interested in the scheme of settling a colony on the tract, had ridden out that day to inspect the ground in company with a party of Indianapolis capitalists. It happened to be their lucky day.

It would make this sketch too voluminous todescribe the robbers' efforts to break through the barriers at the end of the trail they entered upon so confidently. When they had got to a point beyond the summit, and within two miles of the Tejunga, the trail suddenly ended. Under Sheriff Johnson, Maj. Mitchell, Detective Harris, W. E. Rogers and Sam Bryant of the Sheriff's posse boldly followed on the trail, sometimes getting a sight of the fugitives, but, of course, there was no possibility of flanking them, and as they were compelled to move in single file, the fugitives could hold them at bay at any point. Sheriff Rowland returned to the city to organize a party to head the robbers off if possible.

On the following day the robbers got their horses down into a deep gulch where they had to abandon them, it being impossible to get them out without tools with which to dig a trail. Chavez had attempted the dangerous feat of riding his horse diagonally down the steep side of the gulet. It slipped and fell to the bottom, a mangled corpse, its rider barely saving his his by leaping from the saddle to a ledge of rock. They struggled on foot to the San Fernando Valley, where they dispersed.

The Sheriff's posse also lost one horse.

The Sheriff's posse also lost one horse—Sam Bryant trying to ride his animal down the precipice. When it slipped Sam sayed his bacon by springing from the saddle to the top of a tail spruce tree that grew in the chasm. They then sent to Sutton's ranch for axe, pick and shovel and soon made a trail by which they extricated the surviving horses of the robbers and their own and returned to the cay.

Vasquez, himself, found shelter for two nights at the mansion of ex-Gov. Pico, and then crossed the Cahuenga range and lay for a time perdu near the city. The Sheriff's posse also lost one horse

the city.

the city.

The writer, who had been enjoying several weeks' furlough from the drudgery of a newspaper office, received on the 16th of April a dispatch from Charles de Young—at that time managing editor of the San Francisco Chronicle—stating that Mr. Henderson was representing the Chronicle as correspondent with the Morse party, and requesting me to join Sheriff Rowland's party in the same capacity. I was courteously received by Sheriff Rowland, and for nearly a month our party was almost constantly in the was courteously received by Sheriff Rowland, and for nearly a month our party was almost constantly in the saddle, and we became very familiar with the mountain trails in all directions. I believe that Sheriff Rowland had little hope or expectation of a capture being effected by our part von either of our daylight expeditions. Whenever news came that strangers were moving suspiciously we were sent out, and we were kept busy quite as much to occupy the attention of the public as for any real necessity—particularly that portion that was friendly to the fugitive. Meanwhile the Sheriff was quietly working on a more promising line. The Governor had increased the reward to \$8000 for the capture alive of Vasquez, and \$6000 in case he was necessarily killed in the attempt to capture him. Rowland was shrewdly using the temptation of this heavy reward where it was likely to prove effective. effective.

offective.
Vasquez, of course, learned of the presence of the Morse party in the northern part of the county, and soon satisfied himself, by a few night reconnoisances, that it was effectually barred from flight in that direction.

I must say here that this statement was made to me by Sheriff Morse some months after the affair was over. On relating it to Rowland, the latter denied emphatically that the information brought by Morse located Vasquez anywhere near the La Brea ranch, or assisted in any way toward fluding him. He said that Mr. Morse was entirely in error about it.

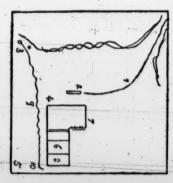
He said that Mr. Morse was entirely in error about it.

But at last Rowland's patient ef-forts prevailed, and he discovered that Vasquez was stopping at the house of Greek George (George Allen), a little L-shaped adobe on La Brea ranch, near the base of the Cahuenga range,

about six miles northwest of the city. On the night of May 14th—just one month from the date of the Reppetto affair and the robbery of Miles and Osborne—we met in the office of Maj. Mitchell, in Temple block. A diagram of the house and location was exhibited and various plans discussed. It was decided that one party should be made up as follows: Under Sheriff Albert Johnson, Maj. H. M. Mitchell, Chief of Police B. F. Hartley, W. E. Rogers of the Palace Saloon, Constable Sam Bryant, Detective Emil Harris, G. A. Beers, representing the San Francisco Chronicle; D. K. Smith, a farmer. The latter gentleman had been employed that day, on account of not being known in Los Angeles, and had ridden out to Greek George's under the pretention of looking for grain to thresh. He had brought back a description of the premises, and the fact that he had found some five men there. Arrangements were made for our arms and horses to be in readiness at Jones's corral, near the western limits of the city, the arms being conveyed from the rear of a Commercial-street gus slop, by a circuitous route to the corral. The corral was kept closed, and no customers admitted that night, and no horses or carriages loaned out. Spies were watching our every moveand no customers admitted that highe, and no hoises or carriages loaned out. Spies were watching our every movement. Finally, we were all to be at the corral ready to start at 2 o'clock the next morning, each man choosing his own time and route for getting

his own time and route for getting there.

At the designated hour we filed out of the corral, silently wended our way across the country, passing Greek George's place to the right, or east, and entered a little cafion, the mouth of which opened on the plain at least a mile to the east of the house which Vasquez had been making his head-quarters. At daylight Mitchell and Johnson left us, and by a side cafion obtained a favorable position in the chaparral on the mountain side, and through a powerful field-glass closely watched the house and took note of what the people there were doing. An unusual fog came across the country from the sea and interrupted the view for a long time, and it was nearly noon when they returned and reported. They had seen two men about the place, each of whom answered the description of Vasquez. One of them had mounted and ridden off to the west. They believed the man was Vasquez. During the fornoon two Mexicans had driven a four-horse team and deep-box wagon up the cafion, after a load of wood, and we had detained them. Now Mitchell proposed that he would take Mr. Smith and by a detour through the side cafion, get beyond the house and follow the man who had ridden off, while the remaining six would surround the house. This was agreed to. Mitchell caion, get beyond the house and notlow the man who had ridden off, while
the remaining six would surround the
house. This was agreed to. Mitchell
and Smith left us, and directing the Mexicans to turn their
team about, we left our horses
in charge of a bee-rancher
near the mouth of the caffon, and the
six of us climbed into the wagon and
found that by close packing we were
effectually hidden by the high box,
and began to feel some confidence in
our undertaking. The Mexicans were
warned not to make any signal, or
indicate by their actions that there
was anything unusual going on. After
a disagreeable jolting, and a good
scorching from the hot sun, the wagon
stopped about 50 feet north of the
house, and we lost no time in scrambling out of our disagreeably-close
quarters. The following diagram will
explain the situation: quarters. The follow explain the situation:



GREEK GEORGE'S HOUSE. GREEK GEORGE'S HOUSE.

EXPLANATION: (1) Route of wagonload of deputies; (2) point where wagon
stepped; (3) Gen. Howard's stolen horse;
(4) where Bryant, Johnson, Rogers and Haaris reached the house; (5) where Hartley
was hidden; (6) where Vasquez was eating; (7) point from which Harris, Johnson,
Rogers and Bryant advanced on the
kitchen; (8) where Vasquez jumpedthrough the window and ran around west
side of the house to get to his horse; (9)
point where Beerg was stationed; (10)
where Vasquez surrendered.
When the wagon stopped, Hartley,

where vacquez surrendered."
When the wagon stopped, Hartley, bending low, hastened to the west of the house and took up a position in the weeds about 100 feet from the west side of the house; Harris, Johnson, Rogers and Bryant crawled directly to the north side. I got out on the side farthest

from the house, passed the team and struck the trail that led from the house struck the trail that led from the house to where a gray horse was tethered. It proved to be the property of Gen. Volney E. Howard, and had been stolen a year before. I turned on the trail and went to the northwest corner. Discovering a window in the west side of the house I stepped down to it and looked in. To the right was a narrow bed, and behind it a new Winchester, thrust diagonally. In Iront of the bed a dagger was sticking in the floor. Taking it and a memoranda book I found under the pillow, I stepped back to the corner. The boys reported that two men were eating at a table in the kitchen, with their backs to the door. If I would hold the corner, they would try and steal a march on them.

that two men were eating at a table in the kitchen, with their backs to the door. If I would hold the corner, they would try and steal a march on them. I agreed, and they stealthily moved around the east end of the building. I soon heard the smothered sound of a gue exploded in the house, followed by a rush, and the next moment the form of Vasquez, coatless and hatless, came running around the south end and up the trail toward me. I made a quick, warning motion with my right hand. He hesitated, and then, gathering himself for a determined rush, he sprang toward me, evidently determined to get to his horse. I raised my carbine and pulled the trigger, intending to give him a line shot. Just as I pulled he threw himself to the ground and raised both hands, exclaiming: "No shoot! Me go in!"
Hartley had fired at the same moment, his double-barre! shotgun loaded with buckshot. Vasquez had spoken too late. Fortunately, however, none of the wounds wege fatal. Throwing up another cartridge I hastened to him. My bullet had inflicted a slight wound on the left shoulder-blade, while Hartley's buckshot had struck in several parts of the bandit's anatomy—all'the wounds being painful, but neither of them dangerous. It was stated by the others that Harris was in advance in the stealthy move on the kitchen; the woman waiting on the table at last saw them and tried to shut the door, when Harris shoved it spen with the muzzle of his gun. Vasquez sprang like a cat through a small open window in the south end, miraculously escaping a shot aimed by Harris. I remember now that Harris claimed that some of the buckshot open window in the south end, miraculously escaping a shot aimed by Harris. I remember now that Harris claimed that some of the buckshot were from his shot. It is quite probable, although the bandit told me that he was not bit until he got out door. I placed little dependence, though, on his statements. Corona saved himself from a possible shot by holding up a little child as a shield when the captors entered.

entered.

I hastily dressed his wounds as he lay stretched on a sheepskin in the shade and then the house was searched. In a vest that had been hastily thrown under a bed Harris found Miles's \$480-gold watch and a 50-cent piece. In a lumber-room we found several fine saddles, lariats, etc., some fine revolvers and several new improved Winchesters and a lot of ammunition.

Obtaining a spring-wagon and a mat-

and a lot of ammunition.

Obtaining a spring-wagon and a mattress from an adjacent house, the wounded man was placed upon it, with his comrades or followers to give him water from time to time, and getting our horses from the cañon and being rejoined by Mitchell and Smith, we returned to the city with our important captive. Throughout the affair Vasquez manifested entire control of himself. He had wonderful nerve, never exhibiting a symptom of fear nor expressing pain by even a wrinkle of the brow.

There was intense excitement in Los Angeles when the news was spread that the redoubtable Vasquez had been captured and was lodged safely in jail, and for days there was an incessant stream of visitors, many coming from distant parts of the State. As a precautionary measure he was never left alone, one of his captors remaining in his cell with him during the day, and another during the night. He was always affable and ready to converse. As soon as his wounds were healed sufficiently he was removed to Salinas, Monterey county, it being decided to put him on trial for the Tros Pinos murders. There being danger of his being lynched there, however, and his counsel deeming it imprudent to have him tried there, a change of venue was obtained to Santa Clara county, and he was transferred to the jail at San José. On his trial he was convicted of murder in the first degree and the jury affixed the death penalty.

At San José 1 was permitted to spend several days alone with him, while writing a biographical-skotch for a New York publishing house, and I had a good opportunity to study his There was intense excitement in Los

the United States. He had several times undertaken to lead an honest life, but found that some one was always sure to recognize him and reveal his identity. The night before his execution he dictated an address to his old companions, in which he urged them to nourish no feelings of hatred or revenge toward his captors, and advised them to take warning from his fate, and abandon their lawless ways. On the scaffold his demeanor was that of a man thoroughly cool, natural and self-possessed, with no signs of anything like bravado or assumption of indifference. His capture had an important effect on that class of criminals in this State, and it will prove an interesting subject for a future sketch to describe in detail what became of some of his followers.

I have often heard great interest manifested as to how the \$3000 reward was divided. I have no hesitation in gratifying that laudable curiosity. I can say that my observation of the other members of Sheriff Rowland's possel led me to feel that they were full of enthusiasm to effect the capture, being animated by that esprit du corps that usually actuate similar intelligent bodies of men who are before the public—the certes of critical observation—and they were ready to undergo any amount of fatigue, or incur any danger, that promised to redound to the credit of their county and the Sheriff under whom they served. As for myself I was pretty thoroughly imbued with the spirit of emulation the Chronicle—had manifested in its struggle to outstrip its rivals, and considered it an honor to represent it in the enterprise of breaking up this nest of outlaws that had so long defied the authorities. I don't believe any of us were wild enough to indulge any high hopes of getting much of the reward. However, when fortune did give it to us we received it thankfully. Doubtless it will surprise most people to learn what we did with it.

There were nine of us to divide it between, including the Sheriff, and then the man who betrayed the robber

learn what we did with it.

There were nine of us to divide it between, including the Sheriff, and then the man who betrayed the robber made ten. We gave the latter his promised share, and then figured up all the expenses the county had been to for the expedition of 1878, when Vasquez was headed off at Little Rock Creek, and all the expenses of our numerous expeditions, and, after deducting the sum from the Governor's reward, were quite content with the remainder.

GEORGE A. B.

Los Angeles, Dec. 27, 1889.

Prices of Lumber. The following are the prices delivred at the yard:

Rough Oregon pine\$25 00
Rough redwood
Rough redwood
Flooring, Oregon pine 37 50
Flooring, Oregon pine, second qual-
ity 32 50
Tongued and grooved redwood 37 50
Tongued and grooved redwood or oo
Tongued and grooved redwood beaded
Surfaced redwood and pine 37 50
Doubled surface 40 00
Doubled surface, half inch 35 00
Rustic 37 50
Siding, first quality 32 50
Siding, second quality 27 59
Refuse lumber 15 00
Pickets, rough 25 00
Pickets, surfaced 37 50.
Rough spruce 27 50
Rough spruce, half inch 25 00
Clear spruce, one inch 40 00
Clear spruce, one inch
Posts, split, each 221/4
Lath, four feet, per M 4 50
Lath, six feet, per M
Lath, eight feet, per M
Shingles, four bundles to an M 3 00
Shakes, split, per M
Shakes, sawed, per M 17 50
Moldings, per inch
From these prices discounts of 10
per cent. are given in special cases for

cash.

cash.

The Los Angeles Valley.
[Chamber of Commerce Pamphlet.]
This is the most productive, prob; ably, in the State, and is destined at no distant day to teem with a dense population. This valley is over 50 miles long and abeut 20 wide, so that it contains 1000 square miles, or 640.000 acres. Of this land, 100,000 may be classed as grazing, 200,000 grape and semi-tropical fruit land, and 340,000 acres superior corn land, equally adapted for barley, rye, oats, millet, potatoes, hops, etc. It is estimated that at least 250,000 acres of this land can be irrigated. It lies most favorably-forpurposes of irrigation, being a level plain, with a fall of 10 feet per mile in a southerly direction. Many very large ditches are already, and others are now being, constructed in this valley, leading the water from the rivers. The supply of artesian water in this valley a New York publishing house, and I had a good opportunity to study his character. In many respects he was a remarkable man. He told me that he was thoroughly disgusted with the life he had led, and he had no respect, not the slightest, for the class of mon from whom he selected his assistants when he planned a robbery. His orizinal boyish idea was that he could incite a revolution among the Spanish-speaking population, and recover Southern California from

RAILROADS.

A CURSORY GLANCE AT CALIFOR-NIA LINES.

Greatest Railroad Center on the Coast -Two Transcontinental Lines Now Here and Two More Coming-Local Roads

OS ANGELES is already the greatest railroad center on the Pacific Coast, and the indications are that before 18 months shall have passed two more great transcontinental roads will make this their terminal point. The Southern Pacific and the Santa Fé are already here, and their branc lines are running out in all directions; the Gould system and the Union Pacific will be the next to come. Besides the two trunk lines that are now here, the Burlington, the Texas and Pacific, the Alton, the Northern Pacific, the Union Pacific and three or four of roads have offices here, and all of them are doing a good business. Four years ago railroad men thought but little of Los Angeles, but they have had their eyes opened, and now there is a scramble all along the line to see who will get the best foothold. who will get the best foothold. That
the Union Pacific Company has de
cided to extend its Utah lines
to Los Angeles there is not
the slightest doubt, for contracts
have been let from Milford in
Southern Utah, and large gangs of
men are now at work. The other day
a contract was let at Barstow for a section of road to meet the Milford division, and it is reported that men and material will be sent to Los Angeles very soon, so that road building will be very soon, so that road building will be going on at three points at least on the line. This new road will open up some of the finest mining country in the world, and will put Los Angeles and Salt Lake in direct communication with each other. Not only that but it will be the means of putting coal down in Los Angeles at the low rate of from \$3 to \$4 per ton, and, as immense iron mines will be opened up, this city will soon become the greatest manufacturing city ou the coast.

mines will be opened up, this city will soon become the greatest manufacturing city on the coast.

That Mr. Gould is coming here there is but little doubt. It has been known by those nearest him for some time past that he has an ambition to operate great roads in both China and Japan and the extension of his line to the Pacific Coast will be the first step. Whether he will go to San Pedro harbor or San Diego to establish his steelrail factories is not known; but that he has something of the kind in his head there is no doubt, and whichever place he may go to, Los Angeles will be benefited. This move on the part of Mr. Gould will be the means of bringing a good portion of the Chinese trade to Southern California, for they cannot get iron for their roads in China and Japan near so cheap as they can if iron works are established here, and the only thing that has kept steamers away from Southern California in the past is because we have had nothing to ship.

only thing that haskept steamers away from Southern California in the past is because we have had nothing to ship. Taking everything into consideration Southern California never had such a bright future before her as at the present time from a railroad point of view. Both of the transcontinental roads now running into Los Angeles are in a better condition than ever before. The Southern Pacific extends from San Francisco to New Orleans, where it makes connection by steamer and leased lines with New York city. This road has powerful connections all over the United States and is one of the best operated roads in the world. It is managed by men who have grown up in the railread business. All of its employés are thoroughly trained men, consequently the traveling public is well treated. It already has large machine shops in this city and 60 acres of land were secured in East Los Angeles something over a year ago, and it is believed that more extensive shops will be erected hero very soon. There was some talk a short time ago about removing the new Wolfskill depot to the old San Fernando depot site, where a grandunion depot was to be erected, butthe local managers of the Southern Pacific deny this, and say the Wolfskill is to remain where it is. That there is to be a union depot in this city in the near future there is no doubt. With four trunk lines running into Los Angeles, it will be impossible to get along near future there is no doubt. With four trunk lines running into Los An-geles, it will be impossible to get along without such a depot. At present there are only two trunk lines here, and yet the depots are separ-ated and scattered about the ated and scattered about the city, and travelors are subjected to more or less trouble in making transfers. The Santa Fé people do not fancy their depot site and that is the main reason why they have not erected a large depot. They are strong believers in union depots, and if the Southern Pacific Company does not go in with them they will certainly induce the Union Pacific to join hands in a union depot scheme.

The Southern Pacific Company operates the following lines which are owned by the company:

7.4	Miles.
California Pacific Railroad	115.44
Central Pacific and branches1	,360.66
Northern Pacific and branches	389.33
Oregon and California	474.80
Southern Pacific of California South-	- Marine and -
ern division	953,30
Southern Pacific of Arizona	384.74
Southern Pacific of New Mexico	171.06
South Pacific Coast	104.00
Bouthern Pacific of California, north	000 21
of Goshen	290.71
The Los Angeles branches are:	
Los Angeles to San Pedro	25.00
Los Angeles to Santa Ana	34.00
Los Angeles to Santa Monica	18,00

The Santa Fe Lines.

The Atchison, Topeka and Santa Fé system was built by Boston capital and enterprise. In its construction and management no expense has been spared. Its arrangements to serve its patrons acceptably are as complete as circumstances would permit. Originally its principal eastern terminus was at Kansas City, but it has completed a bee-line to Chicago. The line through New Mexico gives it access to several extensive coal fields, the best so far of any that have been developed

Company during 1889, but has not yet been operated. The aggregate length of railroads in Southern California is about 1100 miles, and in 1890 the chances are that several hundred miles will be added to this mileage.

How to Get Here.

The gate ways to Southern California from the East are via Omaha, Kansas City, St. Louis, Memphis and New Orleans.

The roads leading from these points are as follows: From Omaha: The Union Pacific in connection with the Southern Pacific via Ogden, the Bur-

Southern Pacific via Ogden, the Burlington and Missouri Railroad in connection with the Denver and Rio Grande, via Denver and Ogden, thence via the Southern Pacific.

From Kausas City: The Atchison, Topeka and Santa Fé via the Atlantic and Pacific and Southern California; the Union Pacific via Denver and Ogden and the Southern Pacific; the Chicago, Rock Island and Pacific via Colorado Springs and the Denver and Rio Grande; the Missouri Pacific via Pueblo and the Denver and Rio Grande; the Missouri Pacific via Pueblo and the Denver and Rio Grande; also via Pueblo and the Atchison, Topeka and Santa Fé.

From St. Louis: The St. Louis and San Francisco in connection with the Santa Fé route via Burrton and the Atlantic and Pacific and Southern California. The St. Louis, Iron Mountain and Southern, in connection with the Texas Pacific via Texarkana to El Paso, thence via the Southern Pacific. The Wahash in connection with the

cantornia. The S. Louis, from Mountain and Southern, in connection with the Texas Pacific via Texarkana to El Paso, thence via the Southern Pacific. The Wabash in connection with the Santa Fé route, as above described from Kansas City. The Chicago and Alton in connection with the Santa Fé route via Kansas City. Fort Scott and Memphis in connection with the Santa Fé route via Kansas City. The Memphis and Little Rock in connection with the St. Louis, Iron Mountain and Southern, Texas Pacific and Southern Pacific.

From New Orleans: The Southern Pacific to El Paso and thence via the Southern Pacific. The Texas Pacific via Fort Worth and Denverto Trinidad, thence via the Santa Fé route.

It is hardly necessary to mention the different railway lines leading to these important gateways, as the traveler will be governed largely by the line which is the most direct from the point of starting.

To Southern California from St. Louis and the territory north and east, the quickest time is now made via the Atchison, Topeka and Santa Fé, which has lately reduced its time from Kansas City to 78 hours.

From St. Louis the time is about the same via the different lines.

From New Orleans the difference in time is in favor of the Southern Pacific.

time is in favor of the Southern Pacific.

The Atchison, Topeka and Santa Fé in connection with its Chicago line is now running through sleepers from Chicago to Los Angeles, and also additional sleepers from Kansas City to San Disco.

SAN DIEGO MINES.

San Diego.

The Julian and Banner Mining Dis-

tricts...The Leading Gold Camp. |The following matter was received after eclose of the article elsewere on "Mines at Mining."...Eb.]

During the past year the district about Julian and Banner, in San Diego county, has taken renewed life and has gone forward at a remarkable rate, and is now one of the foremost builion-producing districts

CALIFORNIA FOR HEALTH

CLEAR REASONS FOR ITS UN-

The Climate Is the Great Factor-Fine Days the Rule – Some Striking Statistics-A Low Death Rate.

O OUR careless critics in the eastern press, who assume that everything here was lost in what they call a collapsed boom, it is proper and educating to give a few facts and figures to show that at least our climate, our glorious climate, remains, despite the bad influences of boomers and irresponsible writers.

Any statements made to prove that our sunshine and health-giving breezes are the same as they were a few years ago will seem trite and threadbare to people who actually live here.

people who actually live here.

But they will interest thoughtful Easterners who have never seen Southern California; and perhaps, too, correct some of the erroneous notions of those restless visitors who were fin such a hurry that their knowledge of our country had to be evolved from their own inner consciousness.

Geographically this is a territory somewhat larger than New York State; about the latitude of the Mediterranean and Northern Africa.

On the west flows the warm Japanese current, the Kuro Sivo, which keeps the water of the Pacific along this coast of an even temperature the year round; it never varies more than

year round; it never varies more than two degrees. On the north are broken ranges of

mountains running eastward, suffi-ciently high to cut off the northern winds and storms, which would other wise sweep over Southern California. On the east is a plateau and a deser-rection, beyond which lie the high mountains of Arizona and New Mex-

On the south is the Pacific, and more

On the south is the Facilic, and more easterly are mountains.

Thus it will be seen Southern California is protected from celd storms on the north and east, while it is open to the warm influences of the Pacific on

the warm influences of the Pacific on the west and south.

One result of this topography is an equable temperature; our winters are mild, and summers are never oppressively hot. For information, we may take the temperature of Los Angeles month by month, for a period of six years (1879-1884) as recorded by the Signal Service office. The average for the period is as follows:

ľ	February .	 	 		 	 		53.2°
ı	March		 	 	 	 		55.3°
	April							57.8°
ı	May	 	 	 	 	 		61.7°
t	Jane	 	 	 	 	 		65.6°
ı	July		 	 	 	 		67 9°
ı	August	 	 	 		 		69.9°
ı	September	 	 	 	 	 	Inque .	67.4°
ı	October:. November	 	 	 	 	 		62 20
l	November	 	 	 	 	 		56.9°
ı	December.	 	 	 	 	 		54.9°

November 56.9°
November 56.9°
November 56.9°
Here we see an average range of less than 18° between the summer and winter temperatures; the lowest recorded temperature during the time was 28° F.; the highest 103°.
A greater change than 18° is frequently noticed in the diurnal variations—from day to night. These changes are often a source of discomfort to strangers, but as they occur regularly, it is an easy matter to guard against them by proper clothing. I have never known an instance where harm resulted from the cold nights here, when reasonable regard was paid to the fall of temperature.

At night two or three blankets are essential to comfort, and there is really not a great difference in the night temperature between summer and winter.

The great secret of our climate is the sunshine. The records of the Signal Service office show that in Southern California there are more sunny days and less cloudy and rainy days than anywhere else in the United States.

Statistics show that Los Angeles averages about 285 days per year absolutely cloudless; while Now York has 102, Jacksonville, Fla, 102, and Aiken, S.C., only 93. In other words, Southern California has about three times as much sunshine as these places, and only one-third as many-cloudy and rainy days. Can a man in health or a man out of health ask for any better home?

The rains occur between the 1st of December and the latter part of

home?

The rains occur between the 1st of December and the latter part of March; very rarely a shower comes up during the summer. During the so-called rainy season about 20 inches of rain falls; but the rainfall is not continuous; as a matter of fact, in the rainy season more than two days out of three are brightened by the most perfect sunshine in an atmosphere as perfect sunshine in an atmosphere as clear and pure and bracing as can be imagined. The showers and sunshine

unite in stimulating the most marvelous vegetation; flowers and fruits and vegetables in the utmost profusion are the result. After the "rainy" season is over we have eastern June days for several months, and the perfect luxury of living is realized; invalids get strong, and strong men stronger.

The warmest month is August, but even then while the sunshine is hot the atmosphere is cool, and the nights are invariably comfortable the year round. Refreshing sleep is always possible; can the same be said of any place in the Ohio or Mississippi valleys, or even in the Eastern States? By many the summers in Southern California are considered pleasanter than the winters. However this may be, the fact remains that outdoor life is possible and enjoyable here for 300 days of ble and enjoyable here for 300 days of

The bright sun and pure ocean breezes render the atmosphere aseptic, as medical men say—that is, free from poisonous and injurious elements. Physicians acknowledge that nowhere is there found purer air than that here; this atmospheric condition, in connection with our mild climate, in which extremes of heat and cold are impossible, explains the fact noticed by many visitors—physicians especially—that people here are stouter and more healthy-looking than those living East. This fact was impressed upon me a few years since in a practical way. In connection with the medical supervision of an eastern life insurance company doing a large business in California, I noticed that the applicants for insurance were almost invariably over weight, according to the adopted standard.

On full investigation my observations were confirmed, and the standard was so modified as to admit these applicants who were in every way acceptable except that they weighed on an average 15 to 20 pounds more than eastern men of the same height.

Many observers have remarked that children here look ruddier and stronger than those living where the climate is less equable. Children's diseases ure not common and are rarely severe. Dr. D. C. Barber, who practiced a number of years in the Ohio Valley, and for the past two years has had charge of the medical dispensary connected with the college in Los Angeles, whose opportunities for observation have been very large, says there is not one-fourth of the sickness among children here that prevails in his former home. The less extensive experience of other physicians confirms his statement. Choiera infantum is practically unknown here; in the East it is the most dreaded disease of young children; scarlet fever, diphtheria, whooping cough and measles usually run a mild course. Epidemics are all but unknown in Southern California. The only modern one of any note was what was heralded far and wide two years ago as "the dreadful smallpox scourge." Well, it was bad, as all scourges are, but its blackness was

size who die annually from freezing or sinstroke.)

Mismutic diseases are very rare and malaria is hardly known. Many outsiders, and some who are inside, think Los Angeles is unhealthful because "there are no sewers." They ought to know that our city has a good many miles of sewerage, though, perhaps, not enough for today. But I have never been able to trace any particular case of infectious diseases to our bad sewerage; and I doubt whether any other physician has. It is true that a few months ago, just before our citizens were to vote on the question of bonds for an elaborate and costly system of sewerage, an alarming outbreak of diphtheria and other dreaded filth diseases was reported from certain sections of the city. Two facts, however, served to ease the minds of thoughtful people; one was that the sudden increase of cases suffering from these diseases was always in the practice of such physicians as most strongly favored the sewer bonds, and the other was the pleasing information supplied by the official health reports of the city, which showed no appreciable increase in deaths from the dreadful diseases. Nothing further needs to be said, except that, as soon as the voting was over, the epidemic subsided rapidly, and the chief damage done was to injure our fair name abroad.

Typhold fever is not common nor usually severe; digestive diseases are

Typhoid fever is not common nor usually severe; digestive diseases are not severe as a rule. Dyspeptic persons are almost always benefited by a sojourn in California, owing in a measure to the character of food always at hand. The year round the markets afford an endless variety of fresh vegetables and fruits of every de-

scription. Meat, fish, poultry and game are always to be had at reasonable prices and of most excellent quality.

prices and of most excellent quality.

Nervous diseases are almost invariably relieved by a residence here; the possibility of outdoor exercise in the pure sunshine is an important element in the cure of this class of disease.

The same factor is of great advantage The same factor is of great advantage to sufferers from chronic rheumatism and neuralgia; they do well here. Southern California abounds in mineral springs—warm, hot and cold, alkaline and saline, chalybeate, sulphur and calcareous waters, containing their salts in various proportions and combinations. In this one territory may be found all those waters which have proved useful in the long list of diseases amenable to hydro-therapeutics. peutics

Acute rheumatism occurs but rarely, and seems to yield to treatment more readily than—was my experience in the East. In its treatment the greatest climatic benefits are realized usually farther inland than Los Angeles; a hot, dry climate, free from wind, works wonders in these cases—such a region is found east of here, toward the desert.

Ashma and chronic bronchitis are, I think, invariably relieved by a residence here. These cases usually dobest along the protected foothills north and east of Los Angeles; the Ojai Val-ley and the neighborhood of Beaumont are famous resorts for these patients; so are the high lands lying back of San Diego.

Acute inflammation of the lungs is rare here. A physician of large experience, during a five years' residence in Los Angeles, told me he had seen but Los Angeles, told me he had seen but five cases of acute pneumonia. In my own practice, devoted chiefly to lung diseases, I have seen but six cases of acute pneumonia and pleurisy in four years. Evidently the micro organism pneumonia does not thrive in Southern California. The large majority of invalids who come here suffer from chronic inflammation of the lungs—consumption (tuberculosis) or chronic pneumonia (fibroid consumption). Leading authorities are agreed that these diseases rarely, if ever, originate

constantion (theretexis) of chronic pneumonia (fibroid consumption).

Leading authorities are agreed that these diseases rarely, if ever, originate here. The health records show that our consumptives are almost, without exception, non-residents. The great question to be decided for every invalid is, "Can my case be benefited by a sojourn in California"? I will not say that every consumptive can be benefited here, aithough I firmly believe that some invalids with cavities in their lungs will get well; I know that this is possible in the East. But I will say that most consumptives will have a better chance here than anywhere else in the country. But before one comes he ought to realize he is going far from home, among strangers, and for a sick man this is a great and sometimes a disastrous undertaking. If he is beyond hope and cannot live long, his physician ought to dissuade him from the delusive and fruitless venture. He would better die at home. But if he is not in the last stages of the disease, and can travel and live with the comforts which a sick man ought to have, this is the place for him, he will prolong his days and may get well. Every physician here has seen such remarkable recoveries that only the worst cases seem hopeless. Many of our leading business men of Southern California were once invalids. here for their health. It was not medicine that cured them, hopeless. Many of our leading business men of Southern California were once invalids. here for their health. It was not medicine that cured them, and probably not climate alone; the same remedies which are used in the East, taken with our climate, which can only be used here, will do wonders. Every physician here can give instances of unlooked for benefit and recovery from apparently hopeless disease; and many of our robust-looking citizens today were once rejected by some life insurance company on account of "weak lungs," a "hemorrhage," or some other such evidence of precarious health.

For persons who inherit a weakness of the lungs, or fear consumption on account of family diathesis, residence in Southern California cannot be too strongly urged. They will be cured of their dreaded heritage, and their children will grow up free from disease.

In closing, an allusion may be made to a paper recently read before the Los Angeles County Medical Society by Dr. John R. Colburn. It gives statistics from the official health reports for Los Angeles for 10 years past. The Doctor shows that the average annual death rate for the past few years is about 11 per 1000.

the average annual death rate for the This includes consumptives dying here, 92 per cent. of whom are non-residents. It is safe to say that no other city of 80,000 inhabitants can beother city of 80,000 inhabitants can begin to compare with this remarkably iow death-rate. And we may go a step further and say that there is not a community in the world that can make such a favorable showing, all facts considered. Truly, Southern California is the home for the invalid and a paradise for the man in health.

JOHN L. DAVIS, M. D.

Los Angeles, December, 1889.

SAN BERNARDINO.

THE LARGEST COUNTY IN THE STATE OF CALIFORNIA.

Variety and Abundance of Natural Resources -- The Horticultural Interest--Products--Mines--Water--Land--Climate.

HE immense area of San Bernardino county, together with its varied and rapidly-accelerating development, make it a matter of difficulty to obtain accurate and complete statistics without an official census. Even with that-as Talleyrand observed of our national statistics in his day-so rapid is the progress, that by the time the figures can be collated and published the county will have grown away from them. But in lieu of an official census the statements following are believed to be from reliable and conservative sources.

It is but recently that railroad extension has made possible the development of the vast resources of this county, whose deserts, mountain ranges and fertile valleys and plains cover an area greater than the combined areas of Massachusetts, New Jersey, Connecticut and Delaware. Now, 418 miles of trunk lines and branches are operated by the Santa Fé and the Southern Pacific, and steam motors run on 25 miles of local tracks. The activity following their construction may be inferred from the fact that the assessed valuation of the county rose from \$11,819,842 in 1885 to \$23,-267 955 in 1889.

THE HORTICULTURAL INTEREST.

There are already under cultivation about 65,000 acres of land, and although the gross returns of the mines exceed somewhat those of any other department of industry for 1889. Horticultural Commissioner W. E. Collins estimates that of the entire assessment of the county 761 per cent. is assessed upon those portions devoted to sessed upon those portions devoted to the horticulture branch of agriculture. In his report the Commissioner gives a tabulated statement of the acreage set to fruits, but omits three school dis-tricts and some dry ranch territory; also the figures for nectarines, which cover at least 62 acres. The following is the table:

is the table:	
Acres.	Trees.
Peaches	206,078
Pear 415	44 861
Apricot	130,521
Auple 172	15,000
F.g 145/4	8.597
Wainut	1 decese
	11,:24
Blackberries	23,445
Strawberries 40	
Ralsin grapes 3 77814	
Wine grapes	
Flum 134	1'8
Guava 2	1,000
Chestnut 10	40
(herries 12	1,297
Almonds 8	817
Lemons, planted 4 y'rs or over 281	24,066
Lemons, lanted 3 y'rs or under 89%	7.009
Orange, planted 4 y rs or over 4,347 Orange panted 3 y rs or under 5,834	861,955 472,826
Orango panted of 13 or under 5,025	210,000

In addition there are in the county and ready for the market in 1890, 426, 256 trees; in 1891, 591,973 trees; ready at a later date, 2,516,000 trees.

RESOURCES — WEALTH — IMPROVE-

MENTS. Something of the present general activity can be seen from the following facts gathered by J. C. Scott, secretary of the San Bernardino Board of Trade, who for several months has been engaged in ascertaining, as nearly as possible, the wealth and resources of the county. The table indicates closely the character and extent of the leading horticultural and town improvements during 1889:

Total improvements... .. \$1,956,400 It will be noticed in the year's plant-It will be noticed in the year's planting, orange trees greatly lead all others, and they will undoubtedly continue to do so, as sections of the county are preëminently adapted to citrus culture, and 'the work is justified by unrivalled success in the past. The following table, compiled by Mr. Scott, is approximately cerrect as showing the relative orange acreage of the leading districts and the distribution of the acreage set in 1889—the acreage set representing about 390,000 trees, which cost on the average 1.10 apiece:

ORANGE PLANTING. Acreage Set Acreage viously Set. 600 153 850 Colton 110
Cucamonga 50
Etiwanda 50
Scattering 50

Totals......3,437 7,770
The Riverside Press estimates the cost of preparing the land and setting the trees at about \$50,000, making a total outlay of \$380,000 in buying and setting orange trees alone.

ORANGE SHIPMENTS.

The shipments of oranges last year are indicated by figures furnished from

the railroad offices as follows:	
	Boxes.
Riversido	12 304
Drew	6,446
Colton San Bernardino (Highlands Fruit)	5,456
Nahant	1,890
Mound City	975
Broken lots	8,500
mated	10,000
Total product	310,262
FTN 4 - 4 - 4 - 4 - 4 - 4 14	

QUALITY OF FRUIT.

The fruit is entirely free from smut.

and its quality is attested by the fact that it always commands not merely the highest market rate, but makes a higher rate for its own, and by the fact that at the World's Exposition in New Orleans, at which all the orange and lemon-producing districts of the world were invited to compete—Florida being nearest and able to make the largest display, and Riverside preparing her exhibit on a week's notice—the Riverside fruit was awarded first premium—a gold medal and \$100—"for the best collection of oranges from any part of the world"; the first premium—\$100 and gold medal—"for best collection of oranges from any part of the United States"; the first premium—\$100 and gold medal—"for best collection of oranges from any part of California," and Riverside lemons received the first premium—\$25 and silver medal—"for best collection of lemons from any part of the world."

A majority of the districts just mentioned are showing equally line fruit, the highest market rate, but makes a

the world."
A majority of the districts just mentioned are showing equally fine fruit, and will add to the prestige of what is already the banner orange county of the world.

Next to citrus fruits in horticultural value come the products of the vineyard, for which complete tabulated statistics could not be obtained, as many raisin districts sell their fruit to packers in other districts.

PRODUCTION.

PRODUCTION. The following table prepared by Mr. Scott gives a close estimate of the in-come of the county from various sources during 1889, the orange and lemon "season" necessarily including the closing months of 1838: lemon "season" necessarily including the closing months of 1838: 310,202 boxes oranges. \$744,000 4250 boxes relaines. \$17,000 200,000 boxes raisins. \$495,000 120 tuns dried grapes. 7,290 650 tons dried fruit. 143,000 40,000 cases canned fruits. 169,000 30,000 pounds English walnuts and aimonds. 6,750 300,000 pounds extracted honey 18,000 70,000 pounds comb honey 7,000 5200 pounds comb honey 7,000 5200 pounds boxeswax. 1,000 230,000 gallons wine. 57,500 10,000 gallons brandy. 3,500 centals bariey 163,500 Wheat and cats. 27,500 3,000,000 feet of lumber. 60,000 Gold and silver. 875,000 Borax, marble, onyx, building stone, brick and lime. 250,000 Total income. \$3,000 contails brandy. \$3,000 contails bariey 10,000 gallons wine. \$25,000 Gold and silver. \$25,000 Gold and silver. \$25,000 Total income. \$25,000 Contails brandy.

Of course, there is a large income of miscellaneous items not given above, some of which is exported, and brings in outside money, and much of it is consumed at home. For instance, the one item of alfalfa seed amounts to one item of alfalfa seed amounts to \$5000. Potatoes have been raised and shipped by the carload to Arizona, New Mexico and Colorado. No mention is made of hay, of which large quantities are raised for home consumption and for export, nor of the thousands of horses, cattle, sheep and hogs.

hogs.
The earnings for export will average more than \$100 to each man, woman and child in the county.

MOUNTAIN REGIONS-WATER SUPPLY. The mountain regions are the seat of many delightful summer resorts, and

not only contain untold wealth in minerals and lumber, but, above all, are the great water gatherers, upon whose store depends the cultivation of hundreds of thousands of acres of land. The water supply is obtained from five principal sources, i.e., natural streams, artificial mountain reservoirs, natural reservoirs tapped by artesian wells, ordinary surface wells, and seepage collected from moist tracts. The largest of the mountain reservoirs is at Bear Valley, the old dam being 20 feet through at the base, 60 feet high and 300 feet long, but built upon such a curve that it could withstand many times the present pressure. The difficulty of the original undertaking may be understood from the tact that the reservoir is 6400 feet above sea level, and that all cement and other materials except the granite had to be carried by teams and pack muies 100 miles, and across a ridge 7600 feet above sea level. The water stands 53 feet at the dam, covers 4000 acres of land. Plans have been adopted for a new and larger dam, which is intended to control water enough for the irrigation of 150,000 acres. Other reservoirs are dependent upon this, and capital is continually developing fresh sources, the Riverside Water Company alone developing 941 inches during the year.

In addition to the improvements already mentioned are those of the mining districts, an instance being that of an English company's expenditure of \$100,000 or more in the rich Holcomb district, where hydraulic mining is to be carried on.

A new industry is promised in sugar making and refining, systematic experiments producing beets far above the required tests; the great Temescal tin

making and refining, systematic experiments producing beets far above the required tests; the great Temescal tin deposits are being negotiated for by English capitalists; and a State commission has selected a site in this country for mission explains. ty for an insane asylum.

POPULATION-SCHOOL PROPERTY. The population of the county may be approximately figured by school districts from the school census as 33,000, the census by districts and the total being as follows:

Districta— Cens
Agua Mansa
Alessandro
Alessandro
American
Brooke
Gajon
Galico
Central
Chino
City
Creek
Colton
Crafton
Crafton
Crafton
Craten
Cucamonga
Daggett
Eliwanda
Fairview
Hermosa
Higbland
Jamul
Jurupa
Lugonia
Lytle
Magnolia
Metcalf
Mill
Mission
Montain
Montain
Vernou
Noedles
New Chino
Otario
Oro Grande
Pass
New Chino
Oro Grande
Pas

leads all the counties of the State.

CLIMATE.

As to climate, meteorologists and tourists pronounce this one of the most favored spots of a State, whose southern portions have no equal elsewhere in the world. The county's average of pericectly clear days exceeds 300 a year, and the most perfect parts of her most productive valley average but 8.16 inches rainfall per year. The water for

irrigation during the dry season is brought to these districts in canals, which a large force of men are constantly employed to keep clean, and that for domestic purposes being brought in a perfectly pure state in pipes direct from artesian wells.

The climate is never that of extreme

pipes direct from artesian wells.

The climate is never that of extreme cold even among the mountains, and, except upon the desert, never that of extreme heat. No part of the "American Italy" surpasses it for those troubled with rheumatism or pulmonary troubles, the average humidity being far less than that of the coast. Points removed somewhat from the mountains, being dryer even than the foothills, are considered best for these troubles, during the greater part of the year. Nearly all sections, however, have living exponents of the healing nature of the air. Naturally those in the last stages of pulmonary disease seldom recover, and many in the earlier stages who recklessly expose themselves simply because they are in California pay the penalty with their lives. The writer of this article, who came to the State in what was considered the last stage of acuite phthis; became quite vigorous although not wholly restored after of acute phthisis, became quite vigorous although not wholly restored after three years' stay in Colton and Riverside, and has met many from other districts who have experienced the

Same happy result.

Lands in the raisin and orange district can be purchased at from \$150 to \$400 with perpetual water right.

The principal minerals are gold, silver the land in the property of the principal minerals are gold, silver the gold of the principal minerals are gold to the principal minerals are gold to the gold of the gold

ver, tin, lead, iron, borax, marble, cnyx, limestone, etc.

IMPROVEMENTS DURING THE YEAR.

The improvements of the year just closing, carefully estimated from figures collected, are as follows:

3422 acres orange trees planted this year, cost, not includ ng land and whiter.

66 acres bemon and lime trees planted
1660 acres planted to other trees and
to vines.

Water-dovelopment of, laying pipe,
making canals tunnels, etc.

Buildings — residences, business 42,000 b50,000 Total improvements....

ACREAGE UNDER CULTIVATION. The number of acres in this county devoted to agricultural and horticultural purposes is placed at the follow

	Acres.
Orange trees	11,600
Lemon and lime trees	375
Olive trees	120
Deciduous fruit trees	. 4,425
English waint ts, almonds, etc	165
Strawberries and blackberries	95
Raisin grapes	
Wine grape	1,9 0
Barley for grain	23,500
Barley for hay	5,000
Wheat and on s	., 2,500
Corn	9.0
Alfa fa for hay and pasturage	5.000
Miscellaneous	5,000

This acreage is based on the orchards and vineyards planted up to date, and the crops as planted for the season of

THE PRINCIPAL CITY.

San Bernardino is the county seat and business center. The city proper is in the form of a square mile, but is in the form of a square mile, but quite a population is outside the city limits, as also the large depots and warehouses of the Santa Fé road. The Southern California Motor road concets Redlande, Colton, and the Southern Pacific (at Colton) with the county seat. One branch of the Santa Fé also runs south from here, The site for the new State Insane Asylum has been located in the foothills, a few miles south from the city, and passengers bound for the Hot Springs at Arrowhead or Harlem leave the train at this point.

at this point.

It has a number of commodious hotels, the Stewart being the largest in the county. Its school and church accommodations are ample; it has a Y.M.C.A. hall, horse car lines, a large number of stores, gas and electric lights, two daily papers, an operancuse, a military company, many magnificent business blocks; is the headquarters of mining information; has lately voted bonds for first-class fire pressure and domestic water service, and lies in the artesian belt. The population is about 8000.

OTHER TOWNS.

OTHER TOWNS.

Cotton, at the junction of the two transcontinental railways and a motor line, is an enterprising town whose citizens have recently offered the county a free gift of a block of land and a \$150,000 courthouse if their city

and a \$150,000 courthouse if their city be made the county seat.

The Colton Marble and Lime Works have a capacity of more than 390 barrels of lime per day, and furnish for ornamental building purposes a high grade onyx, which, in a recent competition with the best quarries of the Old World and the new, was awarded the great contract for the Academy of Science, San Francisco, in spite of its bid being the highest bid put in. Colton terrace oranges are equal to the best; hotels and churches and banks are a matter of course; it has a \$20,000 school building, electric lights, horse cars, motor, cannery and packing-

house, an assaying establishment, and two wineries. Population from 1500 to 2000.

Riverside.—The city of Riverside produces one-third of all the oranges grown in California, and is as famous for the quality as for the quantity of her fruit. Her "Rip Van Winkle" lemons are also making themselves known as the equal of the best foreign fruit, and will yet be as much sought for as her celebrated "Riverside Washington Navel" oranges. Secretary Holabird of the Southern California Horticultural Society says, that "Riverside may be called the finest illustration of orange gardening in the world."

The Riverside Water Company, com-Riverside .--The city of Riverside pro-

The Riverside Water Company, com-

lustration of orange gardening in the world."

The Riverside Water Company, composed of stockholders who are themselves the users of the water—each acre of irrigated land carrying two shares of the stock—possesses the most perfect water system in the State. There are, for irrigating purposes, nearly 40 miles of main canals, and between 125 and 150 miles of distributing ditches, carrying an inch of water for every three acres supplied by them. The company also controls a pipe system, which supplies the settlement with pure artesian water for domestic and lire purposes, street sprinkling, etc., and a pressure of 170 or more feet.

The Gage water system has 21 miles of main canal and many miles of pipe, and supplies an inch to five acres on thousands of acres of a fine orange land as can be found in the world.

About 6300 acres of land are under cultivation—not all in full bearing. The city includes within her incorporated limits about 56 square miles—her business center being the "mile square"—and the City Clerk reports 225 miles of streets, among which is the now world-famous double-drive between three rows of trees, and miles of orange orchards—Magnolia avenue. She boasts the best public-school building in the State, erected at a cost of \$65,000; has just completed the best opera-house on the Pacific Coast outside of San Francisco; has 12 churches, a public library, an \$18,000 Y.M.C.A. building, and no saloons; one daily paper, one semi-weekly, two weeklies, 12 miles of street railway, a steam motor connecting with Colton, Redlands and the county seat; ample hotels, gas and electric light, fire company, State militia company, and an average income from the Soil of \$200 for every man, woman and child in the settlement. Her raw lands, with perpetual water right, self for from \$200 to \$400 per acre, on easy terms; and her orchards, according to age and location, from \$1000 to \$3000, the latter figure having been refused in some cases.

In spite of the seemingly high price no better investment could be made,

some cases.

In spite of the seemingly high price no better investment could be made, as in a number of cases the groves have netted more than \$1000 per acre, while B. B. Barney's oldest buds netted him \$1500 per acre last year. Raisin grapes net the owners of vineyards, on an average, \$175 per acre. The climate is one of the best for consumptives, the average humidity being 50 per cent. less than that at the coast, and the altitude between 900 and 1000 feet. Her school census aggregates 1115, inless than that at the coast, and the ai-titude between 900 and 1000 feet. Her school census aggregates 1115, in-dicating a population of about 6000. Onlario, with about 2000 inhabitants, is a most beautiful settlement, 35 miles

is a most beautiful settlement, 35 miles from the ocean on the Southern Pacilic Road. It calls itself the "Model Colony," and deserves the name. It has splendid common schools, a college with \$200,000 endowment, a public library, two weekly papers, two hotels, and a fruit-packing house. Euclid avenue, 200 feet wide and several miles long, is one of the most beautiful drives on the coast, and also has a street-car line its full length, which will soon be run by electricity. It is particularly proud of its thriving young groves of citrus fruits. The Chino motor connects with trains at this point.

point.

Redlands, on a high sloping mesa, some eight miles southeast of San Bernardino, has one of the most beautiful and healthful locations possible; she has been lavish in expenditures for improvement; her young orange groves are unexcelled—which means much after a description of Riverside—she has a good income from raisin-making, and from the drying and canning of deciduous fruits. She is on a branch of the Santa Fé, is connected with the county-seat, Colton and Riverside by motor; has a weekly paper, Y.M.C.A. building, fine school buildings, planing mill, horsecars and electric—lights, and about 1000 inhabitants. It forms the principal part of the estimate of the principal part of the estimate of the East San Bernardino Valley orange acreage. Lugonia has been united with Redlands, and has a fine winery.

with Redlands, and has a fine winery, Chino is a young town resulting from the subdivision of 23,000 acres of the great Chino ranch. The greatest energy is being shown in its development. It has a weekly paper; a motor connects it with the Southern Pacific at Ontario; oil has been found, and a lease of portions of it for a term of 99 years has been made to a company which will develop oil and natural gas. Systematic experiments with the sugar-

beet have given results far above the required tests, and a contract is reported to have been made with the American Sugar Comparty which is to erect a sugar factory and a refinery. This ranch is for sale in small blocks or large; is splendidly adapted to fruits, dairying and general farming.

Crafon and Highlands, some miles apart, are beautiful foothill settlements in the citrus belt, and produce magnificent citrus fruits. Highlands is already furnishing very superior raisins. Crafton's orange acreage is included in the estimate for San Bernardino Valley.

mardino Valley.

Meund City, on the Southern Pacific, has fine oranges and a 40-roomed hotel, built upon a commanding eminence, from which it takes its name.

Mission ("Old San Bernardino") has

long been famous for the extra-fine flavor of its oranges. It has many acres of English walnuts, and near it is the finest winery in the county, with lands and plant worth hundreds of thousands of dollars.

Eliwanda is a promising town on a branch of the Santa Fé, a few miles west from Rialto. The town is two miles north of its station and produces more raisins than any other town in county excepting Riverside and

Redlands.

Cucamonga and North Cucamongathe latter being the town—produc the latter being the town—produce large quantities, both of raisins and of

wine.

Riallo, on the Santa F6, three and a half miles west of San Bernardino, is a young settlement founded by a company holding nearly 30,000 acres of land adapted to grapes, figs and citrus and deciduous fruits. Its energy may be inferred from the table showing the citrus acreage set last year.

West Riverside is across the Santa Ana from Riverside; has a fine schoolhouse, large peach orchards and thousands of acres of orange lands upon

house, large peach orchards and thousands of acres of orange lands upon which an irrigation system is being energetically enlarged and perfected. There is a winery at this place.

Eust Riverside is mostly under the Gaze system of irrigation; has hundreds of acres of young orange orchards, and includes Citrus Junction. It will soon have thousands of acres under cultivation, and may yet become a part of Riverside, with which it is closely identified. closely identified.

a part of thereide, with which it is closely identified.

South Riverside, reached by a branch of the Santa Fé system, or by a drive down Riverside's Magnotia avenue, is 17 miles south of the Riverside "mile square." It is a thriving and energetic young settlement, has put out hundreds of acres of citrus orchards and vineyards; has a \$100,000 plant in operation for the production of clay and cement water pipe, tiling and earthenware; furnishes immense quantities of crushed stone for macadamizing, and carloads of honey; has an energetic population of several hundreds, and publishes a weekly paper.

NATURAL SPRINGS.

NATURAL SPRINGS. Seven miles north of San Bernar dino, connected with it by stage and telephone, are the Arrowhead Hot Springs. Hot baths of mud and mineral water are given with much the same curative qualities of the celesame curative qualities of the cele-brated Hot Springs of Arkansas. The management have a hotel with 100 sleeping apartments, with verandas encircling it, and lighted by electricity throughout.

In the foothills five miles from San Bernardino are the Harlem Springs, with baths of hot mineral water or

cold mountain water, and presenting the curious spectacle of hot and cold water springs rising within 18 inches of each other.

THE MINES.

The most valuable mines are at Calice, so named because of the di-versified color of the hills. It is estimated that the silver bullion shipped mated that the silver bullion shipped during the first two years from this camp was worth \$2,500,000. There are extensive borax mines near by.

"The Needles," the first station in California on the Santa Fé, has a hotel and publishes a paper.

On the Banta Fé Railroad, seven miles from Calico and southeast of the Providence gold mines, is Daggett, at which point quartz mills are located.

point quartz mills are located.

Ten miles farther west is Barstow, a junction at which trains bound for various parts of the southern counties separate from those going north.

On the southern branch, 45 miles north of San Bernardino, is for Grande. where are extensive marble quarries and lime kilns, with a capacity of 300 barrels of lime per day. There are also large ranches here, as at Victor, five miles 'nearer San Bernardino, stocked with thousands of beef cattle.

OTHER FACTS. Hesperia, among the mountains 25 miles north of San Bernardino, is a small station claiming exceptional evenness of temperature.

Other towns are developing, as may be seen by the school census, and the county must eventually become an em-

pire in population and wealth as well as in area.

San Gorgonio, Beaumont and Banning are from thirty to forty miles east of Colton, on the Southern Pacific. The scenery is grand, the climate exceptionally healthful, and grains and berries are raised in great quantities, Banning, alone, shipping more than a ton of blackberries per day during much of the season. These places have excellent hotels, and Banning and Beaumont publish weekly papers.

SAN DIEGO COUNTY.

A COMPACT AND CONSERVATIVE STATEMENT OF IT TODAY.

Recovering from the Boom's Debauch - Increased Production-Lands, Water and Irrigation-Railroads-Mines.

AN DIEGO COUNTY has seen a great improvement in the year The area of new land brought under cultivation has been nearly double that of the preceding year, which was itself double that of any previous year. A vast amount of land hithe to hidden in brush, so dense that its character could not be seen, as well as large tracts long held for stock range, have been broken up and devoted to the same purpose.
INCREASED PRODUCTION.

The grain crop was more than double what it had ever been before, and a arge surplus now remains on hand. The hay crop also added an immense tonnage to the large surplus of the last season. Thousands of acres were also planted in vines and fruit trees of various kinds. A vast change has been noticeable over previous years in the amount of chickens, vegetables and other small stuff that the farmers and fruit-growers are raising in all directions. Where but a few years ago people were trying only to raise something to haul a long way to market to sell for money to buy provisions to haul all the way home again to eat, they are now raising nearly everything they eat, and the shipments from elsewhere of butter pork, eggs, potatoes and other stuff that can be so well and so cheaply raised at home, have been small in comparison with those of previous years, when every one considered such trifles above his notice.

The fruit crop has also been larger than ever before, though little exceptraisins have been prepared for export. The raisin crop has been unusually large and fine, and the higher grades have brought the very highest price on the market. The yield of honey, though much less than that of former years, on account of plowing up so much of the best ranges and burning off so much to increase the pasturage upon the hills, has still been considerable, and has brought a large sum of money into the country upon a very slight investment. The wool crop has The hay crop also added an immense tonnage to the large surplus of the

upon the hills, has still been considerable, and has brought a large sum of money into the country upon a very slight investment. The wool crop has been very much the same as the honey crop. While it has been steadily falling off for several years, owing to the destruction by settlement of the free ranges, it is still quite large. The shipments from this county are made at so many different points that the gross amount is difficult to ascertain, and they are not yet all made for the year. But fully \$500,000 has been so far received for the products of the year, while produce to the value of as much more remains on hand, principally hay and grain. The county raised this year fully 20 times the amount of corn that it ever did before. This was not because of any thing specially favorable in the season, but because it has been found that from 25 to 40 bushels can be grown on nearly all the uplands of the coast region by good cultivation alone, without irrigation, the same as is done in a large portion of Los Angeles county; while in the mountains, where the rainfall is very great, much larger crops are a certainty. For one who does his own work and has weeks of time in which to do it, 30 bushels of corn to the acre pay very well, especially for those who farm on the New England plan of farming first for a living.

LIVE STOCK.

The county is well stocked with cattle and horses, but is sadly deficient in hogs to consume the great surplus. This is due to the overstocking of three years ago which led of course to a cor-responding scarcity, in the usual Cali-fornia style.

POPULATION.

The increase of population has been in about the same ratio as in the year preceding; the whole increase since the breaking of the boom having been more rapid outside the cities and towns than it was before. During the boom it was almost impossible to get people away from the attractions of the brass band and free lunch. But since that time those who have come to California to buy farms have gone out to look at land instead of squandering their money on wildeat townsites and then going back to tell eastern editors that the whole of Southern California was chopped into 25-foot lots.

AFTER THE SPREE - CONVALESCING The liquidation of accounts resulting from the folly of the boom has ing from the folly of the boom has been going steadily on, and is now nearly completed. A few lame ducks yet remain, but their number is too small to affect the general prosperity. The deposits in the banks have rapidly increased in the last six months, and the banks have been leaning for several months. A large amount of eastern money has been here for months to loan; the rate of interest has fallen 4 or 5-per cent. within the year, and the lender has been bunting the borrower for several months past. for several months past.

IMPROVEMENTS—RAILROADS.

As in the rest of Southern California, improvement has gone steadily forward this year, as it did during last year. Many of the best buildings last year. Many of the best buildings in San Diego have been either built or completed during the year, and several miles of cable road, begun scarce four months ago, are now almost ready for operation. The Cuyamaca Railroad, designed to run to a connection with some transcontinental line, was begun this year, and built to the upper end of El Cajon, 25 miles in the interior, and has doffe a good business ever since the first train started.

MINES.

MINES. The mines of the county have been paying better than ever this year. All the old ones are in full operation, and many new ones have been opened. An important event has been the opening and thorough testing of the cement deposits of the Jamul rancho, about 15 miles back of San Diego. An old cistern on this rancho, built at a time when no cement could have been imported to this coast, has long been known, and it is lined with cement that has no equal in any of the imported coments. The pits, from which it was taken, near by, have long been known, but, until this year, no attention has been paid to it. It has now been most thoroughly tested and explored. The deposit runs within 2 per cent. of the proportions of the best Portland cement, and, so far, shows enough to make 500 barrels a day for 21 years. In quick setting and tensile strength, it excels the best Portland cement. the old ones are in full operation, and

IRRIGATION.

The greatest improvement of the year, however, has been in the awakening of the people on the subject of irrigation. Heretofore what the people of San Diego county should have regarded as their greatest blessing has been their greatest curse. The fact that so much can be raised without irrigation should have taught people that very little water was needed to produce the same immense results that elsewhere require a great deal. Had it not been possible to raise considerable without irrigation, the greater part of the county within 20 miles of the coats would have been uninhabitable instead of supporting, as it has, for years a much larger population than most people imagine the existence of. This should have taught people that they needed less water than many other sections having the same rainfall, and that, though water is more expensive here, it is really cheaper than in other places, because it will go so much further. But instead of teaching them that, it taught them only the watchword, "No irrigation required," which everybody who knows anything reads, "No irrigation possible."

The last year has changed all this. The wonderful results of irrigation in the counties of Los Angeles and San Bernardino have aroused them from their sleep, and a universal cry for water is heard throughout the land. Plenty of water may be had by storage just as soon as the people decide that they want it. year, however, has been in the awakening of the people on the subject of irri-

THE GREAT PLUME.

The year has seen the completion of the San Diego flume bringing water from the high mountains of the interior, although this was practically done nearly two years ago. Though San Diego has looked nearly as dry the past year as ever this is no fault of the system, for several hundred inches of water have been running to waste all summer at the head of the pipe, a few miles back of town.

CROWDING THE DESERT'S BORDERS. The preliminary work on other large systems, especially on the line of the Pamo Company, is now being done and in a short time the immense area of frostiess table lands around San Diego, which in the past have given such a wrong impression of San Diego county, will be under water and the desert will be under water and the desert will again be pushed ahead.

VENTURA COUNTY.

ABUNDANT WATER, GOOD AND CHEAP LANDS.

Coming to the Fore-Growth and Progress-Crops and Yields-San Buenaventura and Other Towns.

N account of the general features of Ventura county appears in another part of this publieation, but the following details de serve a place.

The county which adjoins Los Angeles on the west is undoubtedly least known of the five counties which comprise what is generally termed Southern California. This fact can only be ascribed to lack of transportation facilities. In the early days, before the railroad, Ventura was more easily accessible than Los Angeles, but when the railroad came it followed the San Joaquin Valley and left Ventura out in the cold. The coast line, long projected, is now completed through Ventura from the south, but is not yet a through line to San Francisco. As soon as the breach is filled Ventura county may be expected to assume the position which her resources justify her in claiming. Even now, in spite of defective communication with the outside world, Ventura county has made rapid strides during the past 12 months. The advance has been strictly on merit, for the great Southern California boom never did more than graze the edges of Ventura county.

It is indeed evident that a county which contains over 1,000,000 acres of land, about one-half of which is tillable, deep and rich, cannot long be kept in the rear, especially when, in addition to this, is found one of the finest climates in the world, and cheap water transportation for produce.

PHYSICAL FEATURES. her resources justify her in claiming.

PHYSICAL FEATURES.

Ventura county presents a great variety of physical features. For a distance of about 13 miles from Point distance of about 13 miles from Point Rincon, southwest, the high hills of the Coast range and of the San Miguelito present their bold bluffs to the ocean. The Santa Ynez and San Rafael Mountains, rising to an elevation of over 4000 feet. 12 miles from the seashore, encircle the rich and charming valleys of the Ojai and the Santa Susana. The San Emideo range of mountains encroaches upon its northwestern borders, while the Conejo and Santa Susana ranges inclose the fertile Conejo and Pleasant valleys in the southeastern portion.

STREAMS.

The county is well watered by numerous rivers, creeks and springs. The Santa Clara, its most important river, rises in the Soledad range of mountains, and flowing about 60 miles mountains, and flowing about 60 miles through the southern portion of the county, reaches the ocean about five miles southeast of San Buenaventura. Its principal tributaries furnish an unfailing supply of water for all that portion of the county comprised within the original grants of Sespe, Santa Paula, Saticoy and San Francisco ranchos. The Ventura River, rising in the Santa Ynez Mountains, flows through the Ojai Valley, and, with its tributaries, waters large portions of the Ojai, Cañada Larga and Santa Ana ranchos, supplies the city of Ventura with water, and affords excellent water-power.

Santa Clara Valley extends through the country from northeast to south-

water-power.

Santa Clara Valley extends through the country from northeast to southwest, widening to-about 20 miles before reaching the ocean, and is one of the finest bodies of land in the State. The entire length of the valley is traversed by the Santa Clara River, a never-falling stream, which flows into the ocean about six miles east of Ventura. The Simi and Los Posas valleys debouch into the Santa Clara Valley from the eastern side of the country, or more properly speaking, they form a portion of it. On the west side of the Santa Clara River the soil has been penetrated to a great depth. That on the eastern side is equally rich and productive, and good artesian water can be obtained from 35 to 140 feet in apparently unlimited quantities. can be obtained from 35 to 140 feet in apparently unlimited quantities. The Ojai Valley is a lovely nook, nestling between ranges of lofty mountains, about 15 miles north of the county seat. It is but a few miles in extent, but is one of Nature's masterpieces. The soil is dark and rich and is dotted with liveoaks, and covered with cozy residences, orchards.

on the eastern side of the county, elevated about nine hundred feet above the sea level, and several miles in extent. It contains much timber, principally white and live oak, and possesses a baimy and salubrious climate. Its soil is probably better adapted to the production of small grain than of fruit, though the latter has not been fully tested. fully tested.

GROWTH AND PROGRESS.

The growth of Ventura county is a real, substantial, productive develop-ment, as may be seen from the fact that, during the past two years, the in-crease of country real estate and im-provements has been three times as great as that of the cities and towns. Over 100,000 acres are cultivated in vari-Over 100,000 acres are cultivated in various crops, and there are nearly 500,000 fruit trees in the county, comprising oranges, lemons, limes, loquats, figs, olives, apricots, apples, peaches, pears, cherries, prunes, Japanese persimmons, agaves, guavas, almouds, English walnuts and other varieties. The soil and climate of Ventura county appear to be particularly adapted to the apricot, which there reaches great perfection, and is an important crop. The average yield per acre of various crops in the county and the average market price are given as follows:

given as imiows.		
Crop.	Av. yle'd.	market price.
Wheat	30 bushels.	\$1 00
Barley	30 bushels,	50
Corn	60 bushels.	50
Hay	11% tons.	8 00
Beans1		. 2
Trees	12	

POPULATION.

The estimated population of Ventura county is 8500; estimated value of products over \$2,000,000, which, allow ing five persons to a family, would give an income of \$1200 to each family in the county. The county has resources which are sufficient, if properly de-veloped, to support a population of

SOIL AND PRODUCTS.

The soil of Ventura county is gener ally a dark, fine sandy loam, easy of tillage, retentive of moisture, and tillage, retentive of moisture, and deep. Not only are all the staples of the north grown in great perfection, but also a long list of products which flourish only in the semi-tropics. Wheat, barley, Indian corn, Lima beans, hay, flax and mustard are the principal crups grown for exportation. Potatoes, eats, castor beans, canary seed, hops, peanuts and red peopers are also raised in considerable quantities for shipment. Barley is the principal crop of the county; next to that corn, and then beans. Sauta Clara Valley is the home of the bean, the culture of the Lima bean having been introduced there in 1875, and now hundreds of acres may be seen from a given point. Fruits and honey are also extensively raised. THE PRINCIPAL TOWN.

San Buenaventura, the county seat, is the most populous town in the county, containing nearly 4000 inhabitants. A mission was established here 106 years ago. The city is located at the mouth of the Ventura River, overlooking the ocean. The streets are at right angles, and from 60 to 80 feet in width. The city is well supplied with groceries, general merchandise, dry goods, drug and jewelry stores, livery stables, hotels, banks and churches. The press is well represented. All the principal streets have recently been nicely graded, and provided with is the most populous town in the

The press is well represented. All the principal streets have recently been nicely graded, and provided with coment and wooden sidewalks. A complete system of sewerage has been established, and gas lights placed on all the principal streets. The Hotel Del Mar is a very handsome building, three stories in height. The Anacapa is another fine hotel. There is a substantial wharf, from which large quantities of produce are shipped. The transportation of oil is an important business. The oil from wells is piped to a large tank, whence it is conveyed to the wharf, run into vessels provided with iron tanks, and carried to various places up and down the coast. Petroleum fuel being cheap at San Buenaventura, there is every encouragement to hope for the ultimate establishment of an important manufacturing center thore.

Santa Paula is a thriving young city in the center of the oil territory, situated 16 miles northeast of San Buenaventura, on the Southern Pacific Railway from Los Angeles to Santa Barbara. It was laid out in 1875. The soil surrounding the town is very fertile. There are hotels, a newspaper, churches and good schools. The water system is perfect, with a pressure of

churches and good schools. The water system is perfect, with a pressure of 110 feet on the main streets. The population is about 1000. Santa Paula is the headquarters of the oil regions of California. A large amount of meney is invested in this industry, one company with a capital stock of \$1,000,000 having a daily production of about 1000 barrels. The region is a network of pipe-lines, conveying the oil to Santa Paula, Ventura, Hueneme and Newhall.

Hueneme is the center of the great grain section of the county. It is on

landings between San Francisco and San Diego, being so protected from storms by the natural configuration of the land that vessels are rarely compelled to put to sea on account of dangerous weather. There is a good wharf and warchouses with a capacity of 12,000 tous of grain. Today Hueneme stands at the head of grain-shipping points south of San Francisco. Corn and barley are the principal crops raised in this section. There arrives at Hueneme, on an average, five vessels a week—steamers and saling vessels. Hueneme has post, express and telegraph offices, hotels, a church, schools and several stores. There is also a Government lighthouse, a two-story brick structure.

the ocean, at one of the best natural landings between San Francisco and

A two-story brick structure.

Nordhoff is situated in the beautiful Ojai Valley, 15 miles from San Buenaventura, and 990 feet above the sea. It is reached by stages from San Buenaventura and Santa Barbara. The town is reached by stages from San Buenaventura and Santa Barbara. The town was named for Charles Nordhoff, the journalist, who visited the valley in 1872 and described it. It is a noted health resort, the climate and scenery being exceptionally line. There are two hotels, two churches, two schoolhouses, general merchandise stores and a newspaper.

Saticoy, equidistant between Yentura and Santa Paula, on the railroad, in the midst of the Santa Clara Valley, is surrounded by a most fertile country, and hids fair to become a place of considerable importance. It has a fine church, a town hall and some handsome residences.

Fillmore is a promising little town on the railroad. It is located on the Sespe rancho, which was subdivided several years ago by a Los Angeles company, who have been quietly-selling off lands to actual settlers, who are improving their places. Fillmore is already quite a trading point and bids fair to develop into a good-sized town.

[Santa Barbara county is described

[Santa Barbara county is described in a sketch printed in the earlier pages of the Annual Trade Number.]

ORANGE COUNTY,

FIRST-BORN CHILD OF IMPERIAL LOS ANGELES.

And the Youngest in the Household of California-Extent, Population and Productions Towns and Villages.

RANGE COUNTY, the youngest in the State, and the most southerly except one-San Diego county-was brought into existence on the first day of August of the present year. It is composed of what was the southern portion of Los Angeles county. The new county comprises an area of 861 square miles, or about 610,000 acres, 450,000 acres of which is choice agricultural land, and 250,000 have been brought under cultivation. It has a population of 16,000. Its chief products are corn, barley, hay, alfalfa, potatoes, vegetables, all kinds of deciduous and citrus fruits, peanuts, berries and grapes.

NATURAL RESOURCES.
Apart from the productions of the

soil, this county possesses other natural resources. Several years since a vein of coal was discovered in the Coast Range of mountains 12 miles east from Santa Ana, which yields a considerable quantity of coal of a fair quality. Oil has been discovered in the low range has been discovered in the low range of hills north from Anaheim. Natural gas has also been developed on the mesa lands adjoining Fairview. The annual resources of this section have been sadly neglected, yet there are abundant indications that there is gold, silver and quicksilver in the mountains east from Santa Ana. Some very rich argentiferous galena has recently been foundin the mountains.

HUSBANDRY.

The farming interest, which was considerably neglected throughout the greater portion of Southern California for the past three years, has taken a decided turn for the better. The farm-ers have come to realize that there is more money to be made by sticking to e money

Orange county. More walnut trees have been planted out the past season than any other tree, and, as there are thousands of acres in the county that are adapted to growing these nuts, and as there is an unlimited demand for them it remunerative prices, it is likely that this will soon become the banner walnut-producing county of the State. Ten thousand acres were planted to walnut trees this year, and it is estimated that 15,000 acres more will be planted in 1890.

Vegetable-growing is a profitable business, and is carried on extensively in some portions of the county. Large quantities of peas, cabbages and tomatoes are being raised for the eastern winter market, shipped to the large eastern cities and disposed of at remunerative prices.

munerative prices.

Dairying is a profitable business, especially in localities where the land are damp, and large crops of corn, beets, alfalfa, carrots and other milk-receive feed for grown, without are damp, and large crops of corn, beets, alfalfa, carrots and other milk-producing feed are grown without irrigation. An unusual amount of interest has been manifested in this industry the past year. A creamery was established in the Newport district about four months ago, and is doing a good business; two more will be started in a short time, one at Westminster and another near Garden Grove. The Buena Park Milk Condenser, with a capacity of using the milk from 3000 cows daily, will be in operation within a couple of weeks.

There is perhaps more money made from the poultry business than any other industry in proportion to the money invested. Almost every farmer and fruit-grower in the county is engaged in this business on a limited scale, and in almost every instance derives sufficient money from it to meet

scale, and in almost every instance de-rives sufficient money from it to meet his grocery bills; and in some cases enough to buy the clothing for the family. Those who have made a specialty of the business, and have at-tended to it understandingly, have always succeeded in making money. It is estimated by poultry-raisers that a gross yearly income of \$200 could be realized from \$100 worth of laying stock.

stock.

Small fruit-growing is profitable on the warm sandy loam. On this character of soil blackberries, raspberries and strawberries produce abundantly. It is not an unusual occurrence for an acre of blackberries, in this county, to yield three tons of fruit, and in some exceptional cases half a ton more; but the average yield on land suited to their growth is 4000 pounds, which can be marketed for from 6 to 10 cents per pound.

The peanut crop for the county the past season amounted to \$40,000.

THE LAND.

Every character of soil that is found in California can be duplicated in Orange county, and every product that is grown in the semi-tropics can be successfully produced there.

Good unimproved land can be bought for from \$30 to \$60 per acre, while improved land sells for from \$100 to \$200, according to improvements and location.

The Santa Ana River, the Santiago Creek and the numerous mountain streams furnish water for irrigating about all the tillable lands of the county that require it, except in the artesian belts. In these districts the water from flowing wells is used for irrigation. The total area of land covered by these artesian belts is about 50,000 acres, or nearly one-fourth of all the land under cultivation in the county. Flowing wells are obtained at a depth of from 50 to 35 feet, at a cost of from \$100 to \$1000. There is considerable land in the county that does not require irrigation, and will grow large crops of corn, potatoes, alfalfa and vegetables without it, no matter how dry the season. These moist lands are the best in the county for growing apples and pears as well as feed for dairy stock. artesian belts. In these districts the

WEALTH.	- 1
Following are the County Assessor's	8
figures for the new county:	
Number of acres	2
and town lots 4,800.70	
Value of city and town lots 1.827.16	
Value of personal preperty, exclu- sive of money and solvent credits. 1.168.64	1
Total value after equalization by State board	4
State board	1
PATT POATS	4

line from San Diego to San Bernardino at Riverside.

MARITIME FACILITIES.

Besides the commercial advantages afforded by these two great railroads, afforded by these two great railroids, the county is blessed with two ocean outlets—Anaheim Landing and McFadden's Landing. Twelve miles south from Santa Ana, and about a mile from the old-wharf at Newport Bay, James McFadden & Co. have constructed a good, substantial pier, which is known as Newport pier. It affords a safe landing for the largest coast vessels. The Pacific Coast Steamship Company's steamers make regular weekly calls, receiving and discharging freight and taking on passengers for San Diego or San Francisco. The builders of this pier are also engaged in building a standard-gauge railroad from the pier to Santa Ana. Several miles of the roadbed is already completed, and it is generally conceded that the road will be pushed to completion as rapidly as possible. This landing is now of great service to the farmers and merchants of the county, as large quantities of merchandise are discharged there and hauled to their destination by teams; also large shipments of grain and other farm products find a way to market through that channel, all of which at present must be hauled to the pier by teams. THE SUGAR BEET—A CANNERY NEEDED. the county is blessed with two ocean SUGAR BEET -A NEEDED. CANNERY THE

It has been demonstrated by actual experiments that sugar beets of excellent quality can be grown in Orange county. There are thousands of acres that are well adapted to growing this product, and the farmers have expressed a willingness to plant a large amount of land to sugar beets if some one with capital will agree to build a factory somewhere in the county for working them up into sugar.

Another necessity of the county is a canning factory. Thousands of counds of fruit rots under the trees

Another necessity of the county is a canning factory. Thousands of pounds of fruit rots under the trees every season for the want of some means of taking care of it, yet our merchants import large amounts of canned goods every month in the year, thus sending out of the country immense sums of money that could be kept at home if we had a home cannery.

cannery.
The principal towns of the county
410.
Population.
Santa Ana 6000
Anaheim 1300
Orange 1200
Tustin 1250
Westminster 900
Garden Grove 700
Fairview
El Modena 700
McPherson 250
Anaheim Landing 200
The above figures for the outside

towns include considerable of the territory surrounding them, but which is generally considered a portion of the

Santa Ana, the County Seat. Santa Ana, a city of the fifth class is the county seat, and the commercial center of Orange county. Its popula-tion is about 6000. It is located near the center of the county, about twelve miles from the Pacific Ocean, on the main line of the Santa Fé system, and is the terminal point of the Southern Pacific's branch line from Los Angeles. Pacific's branch line from Los Angeles. The Fairview Development Company has completed a narrow-gauge road connecting Fairview with Santa Ana, the objective point of the road being an ocean outlet at or near McFadden's Landing. A scandard-gauge road is being built from McFadden's Landing to this city. As has been stated, a considerable amount of the roadbed has already been graded, and it is expected that the road will be completed within a few months. The total assessed valuation of city property for 1889 was \$2,561,275.

assessed valuation of city property for 1889 was \$2.561,275.

Owing to the fact that Santa Ana is the trade center of one of the choicest agricultural and horticultural sections in Southern California, her commercial interests suffered but little inconvenience from the collapse of the boom. The city was built up and supported by the resources of the surrounding country. Some good, substantial business blocks and residence buildings have been completed within the past year, and several others are under course of construction. Noticeable among these are:

First National Bank.....\$35,000

A MAINTONDS.	First National Bank\$35 000	п
The Southern Pacific Railroad has a	C. E. French's brick block 45,000	
branch line, connecting Santa Ana	J. W. Layman's residence 20,000	
with Los Angeles; also another line,	Dr. A. J. Howe's residence 5,000	1
	Hawley's residence 3,000	
skirting the foothills from Tustin, and	C. A. Hunt's residence 3,000	1
connecting with the main system at	George W. Ford's residence 5,000	
the same city. It is evidently the in-	E. S. Hunt's residence 3,000	
tention of the company to extend this	Z. B. West's residence 3,000	
line to San Diego.	J. H. Moesser's residence 3,000	
The main line of the Santa Fé sys-	A. Lee's residence 2,500	
tem traverses the cutire length of the	M. Runnaus s residence 5,000	
county, connecting Santa Ana with		
both Los Angeles and San Diego. An-		
	Advent Church 2,500	
other line of this same system branches	Episcopal Church 5,000	
off at Orange and follows the Santa	There have been a large number of	
Ana River, connecting with its main	residences, costing all the way from	

\$500 to \$1000, that are not mentioned in the above. It would be safe to estimate the aggregate cost of buildings of all classes for the past twelve months at \$250,000. Almost every line of business is well represented. The merchants carry first-class stocks, and purchasers can be supplied at as reasonable figures as elsewhere in Southern California.

The following are the business houses

The following are the business houses and businesses now operating in the city: Six dry goods stores, 12 grocery stores, 2 gents' furnishing goods establishments, 6 hardware stores, 5 livery tables, a williager, stores, 2, food and lishments, 6 hardware stores, 5 livery stables, 4 millinery stores, 2 feed and grain stores, 1 steam roller flouring mill, 3 hotels, 3 restaurants, 2 confectioneries, 5 drug stores, 1 bazar, 8 saloons, 5 harness shops, 2 photograph galleries, 2 merchant tailor shops, 4 job printing-houses, 6 mewspapers (four weeklies and two dailles), 4 cigar stands, 2 news depots, 1 cigar factory. 1 hair-dressing establishment, 2 stores there musical instruments are sold, 1 paint and oil store, 4 bakeries, 3 shoe where musical instruments are sold, 1 paint and oil store, 4 bakeries, 3 shoe shops, 9 real estate offices, 3 dental parlors, 2 packing-houses, 4 butcher shops, 3 clothing stores, 2 gun stores, 2 undertaking parlors, 3 banks, 2 abstract companies, 2 shoe stores, 3 jewelry stores, 1 fruit and seed store, 1 hardware and grocery store, 1 general merchandise store, 6 blacksmith shops, 1 machine shop, 6 lodging-houses, 1 tin store, 1 oil and gasoline store, 2 second-hand furniture stores, 2 sewing machine offices, 1 marble works, 1 employment office, 2 lumber yards, 1 gas works, 1 Thompson & Houston electric light works, 3 carpenter shops, 4 carlight works, 3 carpenter shops, 4 carriage repositories, 3 furniture stores.

THE BANKS.

Some interesting information as to the volume of business transacted and the general prosperity of the county can be gained by examining the state-ments of the banks of the city given

tatement of the First National Bank of Santa Ana at close of business December

10, 1889;		
Resources.		
Loans and discounts	\$222,880	53
U. S. bonds and premiums	43,680	00
Redemption fund	1,687	50
Real estate, furniture and fixtures	63,215	
Expenses and taxes paid	3,03)	94
Cash on hand and in other banks.	83,076	97
Total	\$417,571	40

			=
	Liabilitics.		
Capital paid	in	\$150,000	00
		7,500	
Individed r	rofits	12,386	26
			00
Janonita		912 025	14

Total.....\$417,571 40

EXPORTS.

The following are the exports through the Southern Pacific warehouse at Santa Ana for eleven months of the past year, commencing January 1st, and ending November 1st:

1	o, pounds,
Oranges	790,000
Lemons	63,000
Green fruit	. 211,000
Miscellaneous	695,000
General merchandise	1 939 220
Eggs	4,280
Honey	
Wine	
Grain	
Grain	
Corn	
Hides	
Lumber	. 168,000
Walnuts	3,820
Cabbages	279,000
Live stock	. 125,000
Potatoes	. 226,000
Peanuts	5,000
Total	. 5,873.080

-								Junus.
Eggs								3470
Poultry	(live)						9762
Fish								8580
Game								540
Butter								
Misce								
MISCE	lian	100	40	PI	ipm	ones	01	mer-
chandia	o ar	e n	ot	ine	ngm	ents	. 10	mer-

SCHOOLS, CHURCHES AND LIBRARIES

Santa Ana is a city of churches and schools. Almost every religious denomination is represented, and about all own their own buildings. The fol-lowing are the names of the denomina-tions: United Presbyterian, Presbyte-rian, Baptist, M. E. South, Methodist

Episcopal, Christian, Advents, German Lutheran, Episcopal, Congregationalist and Catholic. The city has three large 'public school buildings, with an attendance of 800 pupils and a corps of 14 teachers. Besides the public schools, there are two private schools, with a good attendance; also a public library, well stocked.

LIGHTS-STREET CARS.

The city is lighted by electricity and A movement is on foot to put in telephone exchange. There is a a telephone exchange. There is a street-car system of about six miles. The same system also connects the city with Orange and Tustin. The Orange and Santa Ana line connects with the Orange and El Modena system, thus giving Santa Ana a continuous line of about 12 miles of street railroad.

DOCTORS-SECRET SOCIETIES. The medical profession is repre-sented by 14 active practitioners, in-

sented by 14 active practitioners, including specialists. The Orange County Medical Association was organized in Santa Ana immediately following county division. Its members are enthusiastic, and its regular mouthly meetings are well attended. The secret organizations are represented by the Masons, I.O.O.F. (three branches, subordinate, encampment and Rebecca), Kuights of Pythias, A.O.U.W., Ancient Order of Red Men, Good Templars, G.A.R. Post, and a lodge of the Eastern Star.

On the 9th of December, Company F, N.G.C., was organized with an enrollment of 110 members.

ORANGE.
This is a wideawake town, located in one of the finest orange belts in the in one of the finest orange belts in the county, about three miles northeast of Santa Ana, on the Santa Fé's main line, and is the junction of the Callfornia Central and the California Southern. A plaza, with neatiy-kept walks, lined with flowers and a piaying fountain in the center, is one of the attractions of the town. Her citizens are energetic, progressive and cultured, and possess the essential elements necessary to make their place one of the leading towns of the county. The town has a number of substantial brick blocks and its suburbs some of the finest residences and fruit farms in the county.

the county.

The Hotel Rochester, a large brick
The Hotel Rochester, a large brick

The Hotel Rochester, a large brick building, completed about eighteen months ago at a cost of \$65,000, has recently been converted into a college building, in which the Orange County College is now being conducted, under the management of Prof. Harwood, assisted by an able corps of teachers.

The town is incorporated, and an ordinance is in existence prohibiting saloons inside the corporate limits. The religious denominations are represented by the Methodists, Presbyterians, Christians, Baptists and German Lutherans. It has two weekly newspapers and two job offices, also a public library well supplied with books, papers and periodicals. It has a bank doing a prosperous business, one hurdpapers and periodicals. It has a bank doing a prosperous business, one hurdware store, one tinshop, one drygoods store, two general merchandise stores, one shoe shop, three drug stores, three blacksmith shops, two fruit-packing establishments, two livery stables, two barber shops, one confectionery, one bakery, two real estate offices, two hotels, two jewelery stores, one furniture store and one book store.

The fruit-growers and farmers raise

ture store and one book store.

The fruit-growers and farmers raise all kinds of citrus and deciduous fruits and a general variety of farm products. There are also some very profitable walnut groves in that section, and a large number of English walnut trees were planted the past season. Small farms are numerous, it being a rare occurrence to find a farmer or fruit-grower owning more than 20 acres. Good land can be purchased at prices ranging from \$50 to \$200 per acre.

ANAHEIM.

The mother colony has not been behind her sisters in the matter of proghind her sisters in the matter of progress during the past year. Many substantial improvements were made. Notwithstanding the past year has been the dullest in business and real estate transactions known for years in Southern California, yet this sterling town has shown more real progress than during any other year in her history, as is evidenced by the following facts and figures. The most important buildings finished or commenced since last January are: Conrad's two-story brick export brewery, cost \$12,000; St. Catharine's Academy, three-story brick, cost \$20,000; Federman's twobrick export brewery, cost \$12,000; St. Catharine's Academy, three-story brick, cost \$20,000; Federman's two-story brick block, cost \$8000; Mrs. M. S. Mctz' two-story brick block, \$7000; Federman's one-story brick block, \$4000. Fred Crist, S. A. Dennis, T. J. F. Boege, V. Blanchard, Frank Ey, M. S. Metz, Theo. Flotow, R. Menzel and I. Hall have built frame business houses; aggregate cost, \$6000. West Anaheim schoolhouse, cost \$7000; Methodist Church, cost \$4000; Thacker Bros.' packing-house, cost \$1200; Dr. Ballard, H. Cohn, H. Cheynoworth, H. C. Kellogg, F. Crist, A. Langenberger, Blanchard F. Gates, J. Hounberger, Blanchard F. Gates, J. Hounberger, Blanchard F. Gates, J. Hounberger,

other residences of various costs, aggregating \$30,000.

Anaheim has a street-car line one and a half miles long that has been in successful operation during the past two years, a bank with over \$100,-000 regular deposits, a good operahouse that cost \$16,000. The town is lighted by gas, has extensive water works; has recently organized a Wright Irrigating district, with bonds of \$500,-000; has a spiendid company of State militia of 60 members, including a good military band; seven churches, seven secret societies, G.A.R. Post, Women's Relief Corps, Ladies' Industrial Society and Young Ladies' Aid Society. There are \$0 business houses in the city, representing about every branch of trade, all doing a good business. The town has a commodiousnew postoffice, express office, telegraph and telephone offices, one weekly and one semi-weekly newspaper, a brewery, candy factory, brick and lumber-yard, a packing-house for lams and bacon, a sausage factory, two planing and turning mills, two grist mills and two bakeries.

The professions are well represented.

The professions are well represented.

The Anaheim public schools are among the best in the county, and comprise a \$20,000 brick Sisters' College, a \$12,000 rrame school building, and another costing \$7000. The schools employ 10 teachers and accommodate employ 10 teachers and accommodate

400 pupils.

Both the Santa Fé and the Southern Pacific roads run through town, and have commodious depots. The average monthly shipments of merchandise and produce are about 2,000,000 pounds. Anaheim last season shipped 100 carloads of oranges, and this season will ship about 150 carloads, which will realize the fruit-growers from \$75,000 to \$100,000. to \$100,000.

to \$100,000.
Other products are hay, grain, potatoes and all kinds of fruit, petroleum, brea, honey, wool, wine and brandy, walnuts, corn and dried fruit, fresh and cured meats, poultry, butter and eggs, nursery stock, cattle and hogs, pampas plumes and ostrich plumes and coperage. These go to swell the freight tonnage, and add wealth to the town and surrounding country.

Anaheim is incorporated and has a popular and progressive set of officers. The city has a fine system of sidewalks, neat, well-kept and well-lighted streets, and good water works.

The population is steadily increasing with a good class of settlers. The out-

with a good class of settlers. The out-look for improvements for the coming year is flattering and will no doubt surpass the last.

WESTMINSTER.

The town of Westminster is in the center of the colony of that name. It has a population of about 450. The

center of the colony of that name. It has a population of about 450. The business houses consist of two general merchandise and grocery stores, two blacksmith and wagon-makers' shops, one drug store, one saloon, one hotel and one feed yard. There are three churches. The town has a lodge of I. O.O.F., a branch of the W.C.T.U. and a good school building. The public school is well attended and requires the services of two teachers.

The colony was one among the first planted in the southern portion of Los Angeles county, now Orange county. The soil is very productive; a large portion of the land will grow large crops without irrigation. Besides the advantages of damp soil, it is in the artesian belt. Water for irrigation can be had for domestic and irrigation purposes at a depth of from 50 to 200 feet. It is thickly populated, the land being owned by small holders. The celebrated peat lands are in the southern portion of the colony. The productive qualities of this land are almost fabulous. The farmers think nothing of raising 125 bushels of corn per acre, and other products are corn, beets, pumpkins, potatoes, sorghum, alfalfa, vegetables, deciduous fruits; and on the higher lands of the colony some fine oranges are grown. Dalrying and stock-raising are also profitable businesses, and are engaged in quite extensively.

GARDEN GROVE

GARDEN GROVE

is a town of about 350 inhabitants, and is the trade center of a splendid agricultural district, lying four miles west from Santa Ana. It has 1 dry west from Santa Ana. It has 1 dry goods and general merchandise store, 1 grocery store, 1 blacksmith shop, 1 hotel, 1 shoe shop, a good church building, a good schoolhouse, a post-office and two daily mails. The country around Garden Grove has made greater advancement in the way of residence building within the past year than any other settlement in the country. There has also been more new land brought under cultivation than in any other part of the country. The farmers raise corn, barley, deciduous and citrus fruits, vegetables, grapes and English walnuts. Dairy business are also carried on profitably.

TUSTIN

is a thriving little town three miles southeast from Santa Ana; population,

som, L. Desmond, R. A. Blair and 12 other residences of various costs, aggregating \$30,000. grocery stores, blacksmith shops, livery stables; in fact, the different branches of business are well represented. It has a larger number of neat cottages and handsome residences than any other town of its size in the county. The terminus of the Southern Pacific Railroad's foothill line is at that place. The terminus of the Southern Pacific Railroad's foothill line is at that place. The principal products of the country around Tustin "are oranges, lemons, walnuts, peanuts, corn, barley, alfalfa and deciduous fruits. The Tustin and Santa Ana street-car line connects Tustin with Santa Ana. The orange crop for 1889 is estimated at 150 car-

EL MODENA

is a town of 750 inhabitants, built or the mesa lands near the foothills, about four miles northeast of Santa Ana. The people of El Modena are principally Quakers. Fruit and vegetables are the chief-products of the country in that vicinity. The Southern Pacific foothill line has a depot near the town.

M'PHERSON

is a small town about one-half mile west of El Modena. It has a store, postoffice, pickling establishment and a cluster of residence houses; is on the railroad, and the Orange and El Mo-dena street-car line runs through the

NEWPORT PIER.

The wharf at Newport Beach, near Newport Harbor, about 10 miles from Santa Ana, is an "outside" wharf, 1200 feet in length, with 22 feet of water at extreme low tide, that being sufficient to accommodate all coast vessels. The wharf has now been com-pleted over a year. It is the most sub-stantial structure of the kind on the southern coast. The steamers of the Pacific Coast Steamship Company have Southern coast. Into steamest of the Pacific Coast Steameship Company have been calling there regularly ever since the wharf was finished, and have never missed a trip or been delayed on account of rough weather. The greater part of the traffic between the Santa Ana Valley and San Francisco is shipped over this wharf. A railroad will undoubtedly be built between Santa Ana and the wharf in the near future, the most expensive part of the grading on the road being already completed. The wharf and line are owned by the Newport Wharf and Lumber Company, which is doing a large lumber business over the wharf.

The beach near the wharf, known as Newport Beach, is unsurpassed as a bathing resort on the Pacific Coast. Last summer, during the bathing season, from 500 to 1000 persons were camped on this beach.

FULLERTON

FULLERTON

is a thrifty young town on the Santa Fé, about three miles north of Anaheim; is located in the center of one of the finest agricultural districts in the county. The entire business portion of the town is built up of good substantial brick buildings, giving the place a "come-to-stay" air that greatly centrasts with many of the boom towns of the State. It has a weekly newspaper, a bank, several stores, blacksmith shops, and a number of other business houses, all doing a good business. The soil in the immediate vicinity of the town is first-class. The farmers grow immense crops of corn, potatoes, barley, beets, pumpkins, vegetables, and, in fact, all kinds of general farm products, as well as choice oranges, lemons, apples, pears, apricots, berries and English walnuts. heim; is located in the center of one of

The town of Fairview is located on the high mesa lands between Santa Ana and Newport Landing, several miles south of Santa Ana. It is built miles south or Santa Ana. It is built upon one of the most beautiful natural sites of any town in the county, commanding a magnificent view of the surrounding country. The town was laid out about the time the boom subsided, and has been steadily pushing forward, notwithstanding the general depression experienced throughout the country. It has a good hotel, which cost \$12.000, a number of fine store buildings and numerous neat cottages and handsome residences which would do credit to a town of much larger size. There are but few inferior buildings in the town. The residences range in cost from \$1000 to \$15,000 each.

The water supply for domestic purposes for the town, as well as that used for irrigating the land in that vicinity, is supplied from artesian wells. These wells flow a large volume of water, and the water from some of them is very-warm and highly imupon one of the most beautiful natural

either Newport pier or the bay, a distance of four miles.

CAPISTRANO.

Capistrano, or San Juan Capistrano, as it was formerly called, is one of the oldest towns on the coast. Its chief oldest towns on the coast. Its chief interest in the past has been the old mission that was established there more than a century ago by the Jesuit missionaries of the Roman Catholic Church. The old mission is now a pile of ruins. The Cathedral, which was a large massive structure of stone, was partially destroyed by an earthquake in 1812. The portion that remained standing was repaired and has been used by the old padres and their flocks as a place for holding religious worship, up to the present time. Hundreds of tourists and lovers of antiquity visit these old ruins every year. The poethas made it the burden of his song, and

of tourists and lovers of antiquity visit these old ruins every year. The poet has made it the burden of his song, and the historian his theme.

But the old mission is not the only thing of interest-in this locality. Capistrano is situated in one of the most fertile valleys on the Pacific Coast. It is 20 miles south of Santa Ana, on the main line of the Santa Fé, about two miles from the Pacific Ocean, and is the trade center of a large scope of country. Capistrano Valley possesses some of the finest walnut groves in the State. Abundant crops of corn, potatoes, pumpkins, vegetables, deciduous and citrus fruits are grown by the farmers and fruit-growers. That the farmers and fruit-growers. That section is especially adapted to the English walnut, oranges and lemons. The scalebug has never troubled the oranges. Besides the agricultural and horticultural interests of the valley, the four-like and recognitions are supported. horticultural interests of the valley, the foothills and mountains surrounding the valley possess considerable merit as a stock country. Large herds of sheep, horses and cattle roam the hills, and are a source of profit to their owners. There are also numerous bee ranches in the cafions, and a large amount of white sage honey—the best on the market—is shipped by the apiarists from that locality.

The following are some of the shipments from Capistrano Station the past season:

past season:

 past season:
 1,500

 Beef cattle, head.
 1,000

 Mutton sheep, head
 1,000

 Wool, lbs.
 185,000

 English walnuta lbs.
 176,250

 Honey, lbs.
 46,000

 Miscellaneous, lbs.
 100,000

The Mexican population, of which the town and county was almost entirely composed, to within a year or two ago, is rapidly giving way to an energetic and more enterprising class of people.

IN THE SAN FERNANDO.

THE BIG VALLEY, ITS TOWNS AND TRIBUTARIES.

Location and General Features Tropico, Glendale, Burbank and San Fernando -- Brief Mention of Each.

N the San Fernando Valley the village of Tropico, situated six miles north of Los Angeles, is the first station on the Southern Pacific Raftroad north of this city. The Glendale narrow-gauge road also runs through this flourishing settlement, the two roads affording unusually good facilities for communication with Los Angeles and the rest of the world. This advantage is attracting the notice of business men who prefer to live in a suburban town, while doing business in the city, and Tropico has no vacant houses as a consequence. The lower lands aligning the Los Angeles River here are moist and very fertile, requiring no irrigation to produce good crops

of staple farm products.
Potatoes by the carload have been raised and shipped from here during the past season, apparently as fine in quality as the northern product. quality as the northern product.

I Chinamen are the principal farmers of this land at present. A great many are devoted to dairy purposes. Land of this description can be bought at from \$100 to \$150 per acre. The principal part of the settlement, however, it is about 100 feet higher and a mile distant from the river. Here is a collection of small farms and homes, attractive in appearance and belonging, as a rule, to intelligent and progressive people. The soil is adapted to small fruits; vegetables and deciduous fruits especially, and citrus fruits, will do well in many localities, although there are no large orange orchards here as yet. In the choicest locations land here is worth \$300 to \$500 per acre, unimproved. Such land has a water right in the choicest deep are common, windmill the base of the mountains is well adapted to the culture of citrus fruits, being used for pumping. Seven or

eight dwelling houses have been erected here during the past year, all of which are occupied. There are no saloons in the settlement. A parsonage has recently been built near the Methodist Church on Glendale avenue. There has probably been an increase of 20 per cent. in the population of Tropico in the past year, as compared with the previous year. The public school here has two teachers, with an average attendance of about 80 scholars. Tropico is in the Sepulveda school district with Glendale, and votes in the Glendale precinct.

GLENDALE.

This place joins Tropico on the north, their respective postoffices being about two miles apart. It is six miles distant from the depot of the Glendale distant from the depot of the Glendale narrow-gauge railroad at Downey-avenue bridge, Los Angeles. This road runs five trains each way daily, and gives residents of Glendale excellent facilities for traveling between their homes and the city, where a number of them are engaged in business. Tropico depot, on the Southern Pacific, is also only two miles distant and is Tropico depot, on the Southern Pacific, is also only two miles distant, and is its shipping point. The soil here is lighter than at Tropico, being in some places quite sandy, but is well adapted to the culture of cirrus and small fruits. Within the town site, only one or two houses have been erected in the past year, but others that were vacant a year ago are occupied, while within a radius of a mile from the postofice (called "Mason") half a dozen dwellings have been erected in the past 12 months. At Glendale are the magnificent orange orchards of H. J. Crow, Capt. Thom and Judge Ross. From the latter orchard last year about 11,000 boxes of oranges were shipped at Tropice station by the East Fault Comment. orchard last year about 11,000 boxes of oranges were shipped at Tropice station by the Earl Fruit Company. The crop from the same orchard this year has been sold, it is said, at \$2 per box, which will net the fortunate owner more than last year's crop, although the yield is not so great as then. Several hundred orange trees will be set out in this vicinity during the present season. After oranges, peaches are the favorite fruit in this locality, many of the farmers selling direct to the consumer, and realizing from \$1 to \$2 per tree for this fruit, which is unexcelled in quality, as it is grown without irrigation.

Under pressure of hard times one or

Under pressure of hard times one or two small lots of unimproved land have been sold here recently for \$150 per acro, but prices in general rule much higher. Nearly all this land is entitled to water from Verdugo Cañon, where during the driest part of summer a stream of 200 inches flows, with great possibilities of developing a much greater quantity. In the public school here two toachers are enployed, the average attendance of scholars being about eighty or ninety. The Glendale Seminary—"St. Hidda's Hall"—Dr. Easter, principal, is located here. The building was originally built for a hotel, but makes an admirable school building. The school has at present ab ut thirty-five scholars, and is an excellent institution.

On the eastern boundary Glendale Under pressure of hard times one or

excellent institution.

On the eastern boundary Glendals merges into Verdugo—practically the same settlement. In the Sepulveda school district, comprising Glendora, Tropico and Verdugo, there was an increase of 44 children between the ages of 12 and 17 from June, 1889, to June, 1889, showing a growth not equaled in many other districts of the county in the same time. the same time.

BURBANK

is on the Southern Pacific Railroad, 10 miles from Los Angeles. This place is also the present terminus of the Los Angeles and Pacific road. The growth of Burbank was so remarkable at the beginning that the fact of its holding beginning that the fact of its nothing its own in regard to population is in itself encouraging. Although the town has not grown any within the past year, there has been a constant development of the country adjacent. On the Lankershim ranch, just west of Burbank, a few buildings have been erected, orchards and vineyards set out etc.

erected, orchards and vineyards set out, etc.

The Burbank Furniture Factory, a complete establishment in all the details of the business, has been running almost constantly during the past year. The Villa Hotel is a handsome, well-furnished establishment, admirably adapted to supply the demands of tourists and families. There is also another hotel here, less ambitious but not less useful on that account. The public school building is a fine two-story structure. Only one teacher is employed at present. A five-mile cement ditch has been completed during the past

fruits which flourish in Southern Cali-fornia do well here.

The town is supplied with pure water from two or three small mountain streams, and has a fine cement reser-voir and a very complete water system.

SAN FEINANDO

is a promising town at the head of San Fernando Valley, 21 miles from Los Angeles. The new town is about three Fernando Valley, 21 miles from Los Angeles. The new town is about three miles from the old mission of San Fernando, and is on the Southern Pacific Railroad. It consists of a number of substantial business houses and residences, including two public school buildings, a large hotel, and the Theological College connected with the University of Southern California. San Fernando has not grown materially in regard to population in the last year, but more orchards and vineyards are being planted, and a larger acreage of grain sowed in this locality than ever before. The 40,000 acres in wheat last year will probably be increased to 50,000 the present season, with 10,000 acres of barley. San Fernando is an important shipping point for grain, honey and oranges, the latter crop increasing rapidly year by year. In the neighborhood of—this settlement are about 170 acres of orange trees, and more will probably be set out—this season than ever before. The crop from a 10-acre orchard of young orange trees here has been sold already this year for \$2700.

Milton Thomas, the well-known Los Angeles nurseryman, is preparing to set out100 acres of land in apple and walnut trees. First-class orange land, with an abundant water supply from Pacoima Cañon, can be procured here for \$150 per acre. Other lands, not having the same water right, but with water within 20 or 40 feet of the surface, can be bought for \$100 per acre.

The best of the orange land with the water right is offered for sale in small lots at very reasonable terms. The great grain ranches are still undivided.

EAGLE ROCK VALLEY.

EAGLE ROCK VALLEY.

A Fertile Spot at the Base of the Protecting Sierra.

Formerly a part of the ranch San Rafael, this valley is located some six miles from the Plaza in Los Augeles, following a direct line a trifle east of north, and about four miles west from Pasadena. It includes some 1300 acres of land, probably four-fifths of which may be called tillable, the rest being hill land.

The nearest railway communications are Glendale and Garvanza, either being about one mile and a half disfrom the central portion of the

The population may be approximately stated at 110. Farming is as yet the only industry which has been introduced, the first settlement dating back only six years.

The principal shipments the past year were tomatoes approachs black-

The principal shipments the past year were tomatoes, apricots, blackberries and raspberries, interspersed with corn, potatoes, melons, barley, etc. Among the attractions are those of school, church and good society privileges. The climate also is good, with sufficient ocean breeze during summer. Good land can be purchased for from \$200 to \$500 per acre, according to soil and improvements, the location as yet having little influence among new settlers.

having little influence among new settlers.

Water is abundantly developed, either by sinking wells or tunneling into the hills, for all purposes for which it is required.

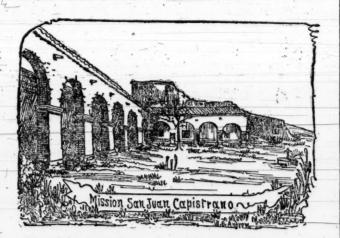
Small farms of 10 or 12 acres are becoming more numerous each year, while there are still openings for others who do not wish an extensive amount of land. The soil, taking the valley as a whole, seems to be well adapted to fruit of nearly all kinds, while corn and vegetables do exceedingly well. Whatever progress or advancement is being made seems to be of a substantial character, and well adapted to future needs. Whenever the valley possesses better railway facilities, an impetus will doubtless be given that will be to the benefit of settlers, as well as travel.

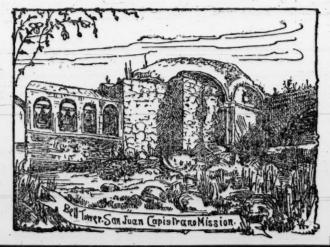
CAHUENGA VALLEY.

A Favored Suburb, Possessing Ex-ceptional Advantages. The Cahuenga district stretches from the city border westerly toward the cean, and comprises an area of about 30 square miles. It is devoted to agriculture, horticulture, dairying and ty to Los An geles gives it an advantage over remoter parts of the county in marketing its products, particularly those of the dairy and the garden, which are usually dairy and the garden, which are usually brought to town in market wagons, though the Los Angeles County Railroad and the Cahuenga Valley road have afforded facilities in this regard which have been available for a portion of the population. Santa Monica, to the west, and the National Soldiers' SOUTHERN CALIFORNIA MISSIONS,









Home draw a portion of their supplies from this direction, also. The variety of products of this region is phenomenal. The total absence of frost along the foothills and the trade winds of summer are favorable to the growth of tropical, semi-tropical and temperate-zone fruits and vegetables, as well as corn, barley and other grains.

W. H. Carlin clearing over \$2000 from four acres of tomatoes.

The population of this section of the county is less than it would be but for a number of large land-holdings, the result of early Spanish and Mexicangrants; but Caluenga numbers probably over 2000 souls, nearly all of whom depend upon the soil in some manner for subsistence. There is but grains.

This immediate locality is remarkable for the production in midwinter of tomatoes, green peas, string beans, green peppers, summer squashes, cucumbers, green corn and other vegetables of like character, which are cultivated in the open field. This year a very large acreage is planted to these products, with a view to supplying the San Francisco and eastern markets. Their production heretofore has been attended with great success, last year

out favorable results. The asphaltum deposits are quite extensive and are found in various parts of the valley and along the foothills. It serves the purpose of fuel for domestic and other purposes.

An increase of about 20 per cent. in the population has occurred during

An increase of about 20 per cent. in the population has occurred during the past year, and about a like proportion of private buildings; but the increase of cultivated lands, of orchards and yineyards, has not been in equal proportion, though by no means inconsiderable. The supply of excellent water for all parts of the district is more than sufficient, since none is required for irrigation. There is still uncultivated land in this district, and room for many more farmers, horticuluncultivated land in this district, and room for many more farmers, horticulturists and dairymen. The price of land ranges from \$100 or less per acre to a thousand dollars. There are two postoffices in the district; one at Colegrove and one at Prospect Park, and no lack of churches and schoolhouses. The new school building, just completed, at Edgmont is one of the finest in the State.

THE NIETOS COUNTRY.

DOWNEY, THE CENTER OF THIS FERTILE REGION.

Resources, Industries and Successes --What the Cultivators Have Achieved--Los Nietos and Rivera.

OWNEY is a town of 850 population, situated about 12 miles southeast of Los Angeles, on the Los Angeles and Santa Ana branch of the Southern Pacific Railroad, in the center of the Los Nietos Valley, about half way be-tween Old and New San Gabriel The town made but little progress, even during the boom, yet the country round about it forged ahead in a most satisfactory manner. The agricultural and horticultural resources were being developed and the farmers and fruit-growers were growing rich from the product of the soil, while many of their more ambitious neighbors were neglecting their farms and engaging in real estate farms and engaging in real estate speculations. Downey, being the natural trade center of this rich and prosperous locality, could not remain at a standstill, and something akin to a boom struck the quiet town about the first of the past year. Old framed buildings were torn down, and good, substantial brick erected on their sites. Cement sidewalks have been put down, and a great many essential improvements made.

The merchants of Downey appear The merchants of Downey appearto be doing a prosperous business, and
it would be safe to say that there are
but few towns in the State that have a
more substantial backing than this.
There are about 50 firms doing business in the town, representing about
all of the leading businesses.
The Los Angeles County Agricultural Fair is located here, and has done
much to bring about the development
of the resources of this wonderfullyproductive valley.

of the resources of this wonderfullyproductive valley.

The town has a bank doing a good
business, a weekly paper, readingroom, five churches, good public-school
buildings, conducted by able teachers,
and an enrollment of 400 pupils; a
lodge of Odd Fellows, that own their
hall; also a lodge of Masons, A.O.
U.W. and Chosen Friends.

Besides the improvements in the
business portions, a large number of
handsome cottages and costly residences have been built in the town
and suburbs.

The principal products of the valley

dences have been built in the town and suburbs.

The principal products of the valley are corn, livestock, alfalfa, walnuts, pumpkins, grapes, oranges, lemons, apples, pears, poultry, butter and eggs. The valley has a first-class irrigation system and an abundance of water, no matter how dry the season. The water for this purpose is obtained from Old and New San Gabriel rivers. The Los Nietos Valley has justly earned the reputation of being the banner walnut-producing section of the State, and, according to reliable statistics, exports about three-fourths of all the walnuts of the State.

This valley can furnish a larger number of examples of men who have commenced at the bottom round and have obtained a competency in tilling the soil by exercising economy and a

commenced at the bottom round and have obtained a competency in tilling the soil by exercising economy and a moderate amount of industry than any other locality of like size in the State. The land of the valley is owned in small farms, ranging from 5 to 80 acres each, which are held at prices of from \$100 to \$1000 per acre, according to improvements and location.

The following were some of the principal shipments of produce from the Downey depot during the past year: "Twenty-five carloads of oranges, 500,-

000 gailens of wine, 3000 tons of corn. The ticket sales from that station for 1889 will aggregate \$2000 per month.

Los Nietos is a small town near the junction of the Santa Fé's main line Los Nietos is a small town near the junction of the Santa Fé's main line and the Whittier branch of the Southern Pæcific Railway. Many years ago this was the trade center of the whole valley. It is the place from which Los Nietos Valley derived its name. The town has stores, blacksmith shops, good public school buildings, churches, a number of good residence buildings, and is surrounded by a rich agricultural country. It has made considerable advance within the past 12 months and if it can manage to hold the trade of the country surrounding it will develop into a town of considerable importance. The land is owned by small holders, who raise corn, vegetables, walnuts, deciduous fruits and berries. The farmers and fruit-growers are out of debt, and are growing rich from the products of the soil. Land is held at from \$100 to \$500 per acre, improved and water-stocked, while unimproved land can be had for from \$30 to \$60. Los Nietos is in the northeastern portion of the valley, about thriteen miles from Los Angeles and three miles from Whittier

RIVERA.

RIVERA.

Rivera is a now town, located in the northern portion of the famous Los Nietos Valley, in what is generally known as the Ranchito country. It is on the main line of the Santa Fé system, ten miles southeast of Los Angeles, and three miles north of Downey. It is situated in one of the richest localities in the State, being in the famous English-wainut belt of the Los Nietos Valley. The town was not laid out until the boom had subsided, but, being so favorably located and the natural trade center of a large portion of this rich valley, it has made a wonderful, rapid growth. As one would naturally suppose, the merchants of the town are doing a good business. Quite a number of good business houses and residences have recently been finished. Conspicuous among these improvements is the fine, new hotel which has just been thrown open to the public and is receiving a liberal patronage.

The walnut-growers of the valley have formed themselves into an organization known as the Los Nietos and Ranchito Walnut-growers' Association, with headquarters at Riverside. The association contracted its entire crop last spring, which it delivered at Rivera in November, amounting to 27 carloads, receiving for the same \$32,000. The growers not belonging to the association shipped six carloads, for \$12,-400, making a total of 33 carloads, and the neat sum of \$45,000. The orange crop of 1889 brought \$35,000; corn, wine and other farm products brought \$25,000, footing up the handsome sum of \$105,000 for products raised within four miles of Rivera since January 1, 1889. Besides the produce above mentioned, large amounts of hay, grain, butter, eggs and poultry have been disposed of, adding wealth to these fortunate farmers and fruit-growers.

A large acreage of the valley was planted to walnuts and oranges last

and fruit-growers.

A large acreage of the valley was planted to walnuts and oranges last season; neat cottages, surrounded by handsomely laid out grounds, are the rule, and indications of thrift and general, and indications of thrift and generals. eral prosperity are apparent through-out the whole valley.

NORWALK.

A Milk and Cheese, Corn and Alfalfa Country.

Norwalk is located on the Los Angeles and Santa Ana branch line of the Southern Pacific, 16 miles southeast of Los Angeles. It is a town of 500 in-habitants, the center of a large dairy country, and some of the finest cheese of the State is manufactured there. The mercantile business is represented by three general merchandise stores. There are several blacksmith shops, hotels and saloons, a drug store, hardware store, lumber yard, livery stables and a number of other business houses, all of which appear to be doing a good business.

The principal exports are corn, wine, livestock, cheese, butter, eggs and poul-

The Eagle cheese factory, which is located here, furnishes the following statement of its business for Novem-

rate of \$1 per cwt.

rate of \$1 per cwt.

The country round about Norwalk is very productive, being especially adapted to alfalfa, corn, beets and deciduous fruits.

Land improved and watered-stocked sells at from \$100 to \$200 per acre. Unimproved land can be had for \$60 per acre. The land is generally owned in small tracts of from 20 to 60 acres each.

The country adjacent to Norwalk is

improving more rapidly than the town, a large amount of new land having been brought under cultivation during the past 12 months. Many neat cottages and handsome residences have been erected. The celebrated artesia country is tributary to Norwalk; in ocentry is tributary to Norwalk; in fact is properly one and the same locality. Both places have good school buildings and first-class schools, and the people are as a rule prosperous, progressive and happy.

SAN PEDRO.

THE PORT TOWN OF LOS AN GELES CITY AND COUNTY.

An Extensive Commerce Carried on-The Figures of Exports and Imports-Large Creosot-ing Works.

T San Pedro is located the largest creosoting works on the Pacific Coast, if not the largest in the United States. They were constructed during the past year at a cost of \$65,000. They are run day and night and Sundays, and are used by the Southern Pacific Railroad Company in creosoting timbers that are to be exposed to the action of salt water.

There have been erected here during

the year 53 new residences, at a cost of about \$60,000; one church edifice (Catholic) at a cost of \$2800.

As a watering-place San Pedro has, during the past year, attracted greater attention than formerly, the variety of beach and facilities for boating or beach and facilities for boating being a prominent feature. Inside the breakwater the almost perfectly still water affords a delightful haven for the delicate and timid, while just on the outside (within speaking distance)-the vigorous and daring may do battle with old Neptune to their heart's con-tent.

with old Neptune to their heart's content.

As a health resort it has of late received very marked recognition. The high hills immediately to the westward break the force of the west winds and act as a divider to the huge fields of fog that they carry with them, one-half passing off on the ocean to the southward and the other driving off into the interior, while at San Pedro the sun is wearing his prettiest smile.

But it is as a seaport that San Pedro acquires her chief importance. Located near the western headlands of San Pedro she, where the Southern Pacific Railroad terminates in wharves and docks for the union of ship and rail, her exhibit is in a large degree an index of the material prosperity of Southern California.

The following is a summary of export and import business transacted during the year up to December 24th, as shown by the books of the custom-house and the Southern Pacific Railroad Company:

Commerce of the Port of San Pedro in 1889.

Shilpmens.

July.Aug.Sept.Oct.Nov.Tot1

SHI	PMENT	rs.			
· Jul	y.Aug	.Sept.	Oct.	Nov	r'rot'l
Shakes		60,000			60,000
Asphaltum, tons. " 1	0 12	***		10	33
1 aper		*22	34		14
Powder tons		12	1		13
Hogs, number 21		50	70	**	03
		313	10	**	730
		**	740		2125
Sheep, number 138		- **		**	
Note.—No reports inclusive.			iary	to	June,
TM	(PORT)	4.			

Lath	8,000,000
Shingles	3,900,000
Rock, Tons	35
Coal, Tons	7,084 14,100 11,200 11,300 11,300
Ties, No	12, 21, 21, 21, 21, 21, 21, 21, 21, 21,
Lumber, Ft	47,894 8,876 (4.0 8,775,0 0 8,775,0 0 8,780 (4.0 8,881,00 8,623 199 8,623 199 8,623 199 8,623 199 8,623 199 8,623 199 8,623 199 8,623 199 8,623 199 8,623 199
Merchandise, Tons.	88 88 88 88 88 88 88 88 88 88 88 88 88
Brigs, No	1:: - : - : : : : : : : : : : : : : : :
Barkentines, No	:::=:=====::
Barks, No	:3130 AL : LL : LLL 2
Ships. No	g :::: 10; co co co: ::: E
Schooners, No	Beetlest 13
Steamers, No	488884+82251 3
MONTH	January. Rebruary March. April. July. July. September. September. Nov. mber. December.
1	Exports,
111	Pounds

Exports,	
Grain Merchandise Fruit Canned goods Houey Lard Beer Tallow	48,750 228,400 44,765 46,760 57,750

Wool	63 3 NI
Hay	109.732
Beans	2,251
Rope	4 750
Wire	49,169
Brick	921 420
Lumber	138,250
Terra cotta	158 530
Tea	16,08)
Hides	234,414
Paper	145 520
Salt	152,755
I on	127,430
Wine	852 830
Matalia saunda	20 0-0 0-0

San Pedro has a population of about 2000.

LONG BEACH.

One of Our Pleasant Seaside Resorts
—Points About the Beach.
Within the past year about 100 of
the better class of houses for homes
have been erected. All the land in the vicinity is well watered and suited to agriculture or to horticulture, and is subdivided into farm lots of five, 10 and 20 acres each. Many of these, within the year, have been purchased by settlers, and are now occupied by families making a beginning in fruit-growing.

llers, and are now occupied by families making a baginning in fruit-growing. Of the trees set, those of apples and figs lead, but there are also set many French prunes, Kelsey plums, peaches, pears, lemons and walauts.

Long Beach is situated 22 miles southeast of Los Angeles, by the sea. It takes its name, from the long, wide beach, which extends for several miles along the bay, in crescent form. The bay is formed by an indenture of the sea, about 20 miles into the mainland. The town has a population of about 1000, and is incorporated. It is a seaside resort, and summer and winter retreat for invalids seeking an equable climate. In the vicinity there is one cheese factory and creamery. Out alittle from town considerable barley and corn is raised for shipment, and some fruit from the earliest planted orchards, six years old.

The town and farm lots around are supplied by a good system of water works from artesian wells. The artesian belt runs within about two miles of the seashore.

sian belt runs within about two miles of the seashore.

The Southern Pacific Railroad runs three trains to and from the town, which is the terminus in this direction. The telegraphic and telephonic facilities are good. The postoffice is a money-order office. There are two good public schoolhouses. The town is settled by an educated, temperate class of people.

SANTA MONICA.

The Noted Seaside Resort, Where

the Wild Waves Say Things.
This delightful seaside resort and watering place made great strides as the popular resort for Los Angeles people during the past year. The fact that two lines of railway were in opera-tion between the two places (the Southtion between the two places (the Southern Pacific branch and the Los Angeles and Pacific) running frequent trains and making quick trips had much to do with taking down crowds of pleasure-seekers. It was not an unusual thing for 10,000 people to be assembled on the beach at one time during the height of the bathing season. The burning of the hotel at Long Beach the winter before and the fact that the big hotel at Redondo was not yet constructed, left Santa Monica far ahead in point of accommodations for visitors and the elegant Hotel Arcadia was facile princeps.

was facile princeps.

Santa Monica was not only the resort for wealthy people who could afford hotel life and for the other wealthy and well-to do classes who have cottages of their own, but it was the democratic resort as well. Many tents were pitched there, and many who could manage to get only a day or two at the seaside also gave the place their patronage. During the year Santa Monica made considerable strides in the way of public and private improvements. Long stretches of graveled streets were made, and three miles of coment pavement made. A number of handsome residences were erected and a building completed for the waterworks system.

and a building completed for the water-works system.

There is now in contemplation an immense Catholic College to be built adjacent to Santa Monica at a cost probably of \$1,000,000. An architect has been engaged on the plans for some time; a large tract of land has been donated for the purpose and details will be announced shortly.

Santa Monica is the great resort for inmates of the Soldiers' Home, which is located only a few miles back from the coast, and a large part of the produce supplies are drawn from the country lying thereabouts.

THE PALMS.

A Pleasant Spot for Homes Near the City-What Is Found There.

The marvelous growth of trees and the setting out of orchards has made an enviable reputation for this little village just under the western shadow of Los Angeles. What was formerly

one large tract of unimproved land is now dotted over with pretty homes. During the past year several new residences and three brick stores have been built, a new church (Baptist) organized, and various minor improvements made. The present population is probably less than 500, though there is an attendance of over 100 pupils at the public school.

This section offers special inducements to small farmers, being close to three local markets, viz.: Los Angeles, Santa Monica and The Palms. Good orchard land can be bought from \$80 per acre up, according to location, while alfalfa and corn furnish the requisites for stock, butter and poultry. The Palms has eight daily passenger trains (being located on the Santa Monica branch of the Southern Pacific Railroad), which affords comfortable and rapid transit to and from the city. This has induced quite a number of business men in Los Angeles to locate and huild residences here. The Palms and Santa Monica are the only towns that maintained regular daily rail communications with Los Angeles during the recent heavy storms.

WHITTIER.

The Quaker Town-Progress and Prospects.

One of the prettiest towns in the county is Whittier, a Quaker city in the foothills. Its location is upon the mesa against the Puente hills, and it commands a view that is simply un-surpassed. The Whittier citizen sitting upon his front porch has the Santa Ana Valley spread out before and be-neath him, and can see Pasadena, Los Angeles and the ships riding at anchor at San Pedro harbor. He is only 15 miles from Los Angeles as the crow miles from Los Angeles as the crow miles, and at night the lights of the city shine brightly seemingly within a mile or two. The town is made up of a thrifty, energetic population of some 1500 souls, and they have made it a handsome, delightul spot to live. It was named after the poet Whittier, and his peaceful temper seems to have cast a pleasant halo about life in Whittier. Among the permanent and extensive improvements now going on in Whittier is the erection of the State Reform School for Southern California. The buildings are now going up, and a large sum will probably be expended by the State in equipping the institution. During the past year the growth of the town has been steady. New families have come in and purchased homes, and several new business buildings have been built. Whittier is an illustration of the marvelous rapidity with which fruits, grain, flowers and vegetables grow in this section of the State. It is comparatively a new town, having grown up during the past three years; but where formerly was a barren mesa are now the streets and residences of a thriving place, and with its orchards and wealth of beautiful flowers, the town now stands revealed in rare loveliness. Grain flourishes without irrigation, and the fields around and about show what abundant results are reaped by the careful and industrious class of citizens who have settled in this garden spot. The population of Whittier is made up largely of Quakers from the States of Ohio, Indiana and Pennsylvania and eisewhere, and from the nature of the solid and substantial homes they have cast their fortunes with the place.

The church and school facilities at Whittier are excellent. A fine new school building has been completed during the year, and the course of instruction is as good as it is anywhere. The groundwork for a flourishing little city has been carefully and broadly laid. It will not be long before a thoroughfare or boulevard will be constructed from Los Angeles to Whittier, which will incr

More Mountain Trout for Califor-nia.
We are informed that the California We are informed that the Califor nia Fish Commission, says the Ashland (Or.) Record, will make spawning-grounds at points in Siskiyou county, where Cottonwood, Shovel, Horse and other creeks empty into the Klamath River, where mountain trout will be caught with nets, stripped of their eggs and returned to the river. The eggs will be taken to the hatchery, at Sisson, and from that point distributed in other streams of the country. The mountain treut of the tributaries of the Klamath are superior eating.

A tract of 20 acres near Orland is leased to Chinese gardeners, who supply the farmers for miles around. Ten men are engaged in the work and each year one drops out and goes to China with a comfertable fortune.



BY THE TIMES-MIRROR COMPANY

H. G. OTIS, President and General Manager. WM. A. SPALDING, Nac-Fresident. MARIAN OTIS, Secretary.

C. C. ALLEN, Treasuror. A. McFarliand, Advertising Mgr.

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Edition, 15,000 Copies.

POPULATION IN 1889:

Of Los Angeles City 80,000 Of the Ci y and County 160,000

Assessed Wealth of County : : \$84,376,319 Estimat'd Real Estate Sales, City: \$35,309,466 Value of Buildings Erected, City: \$4,428,019 Bank Assets, City and County: \$15,571.798 Bank Deposits, City and County: \$10,329,063 City Postoffice Receipts: ::: \$120,000 Increase of Picces Delivered in 1889, 1,138,185

ELEVEN RAILROAD LINES FOCUS HERE

JANUARY, 1890

WHAT WE HAVE TO OFFER.

After all, the eastern man may say, the has read and heard so much about the manifold and varied attractions of Southern California, what solid advantages have you to offer to induce a man to leave his eastern home and cast in his lot with you? I have heard much of your climate and scenery, but a man cannot very well live on either or both of these.

The question is a fair one, and we will endeavor, in as few words as possible, to answer it.

First and foremost-but not by any means alone-comes our incomparable almost perfect climate. are perfectly aware that the subject of Southern California's 'glorious climate" has become great extent, what in vulgar parlance is termed a "chestnut;" yet we shall not be prevented by such a consideration from boasting of this jewel of great price, which so many lands would give anything to share Let soured and shivering denizens of eastern and northwestern snowfields perpetrate their feeble jokes on our climate, to their heart's tent; that shall not make us ashamed

to speak of our greatest heritage. Climate is, after all, the most important feature of life. It is the condition of the air which we breathe. While, from the East, we get reports sunshine. Is it not worth something to live in a city where the the mometer ne below 32 six times during the past 10 years? A man will give much for his life and he will therefore—if he is wise—be willing to make almost any sacrifice to get to a section of country whose climate will prolong life. Such a climate is Southern California.

But it may be replied, California is a large State, 700 miles long. It contains

rather "bulling" the climate market, in view of the large supply of the ar-

Not so! It must not be supposed that all California is alike—that it is only necessary to cross the Sierra Nevada to find the perfection of climate. Such is far from being the case. The area of the State in which perfect climatic conditions exist is quite limiced, and those who wish to secure a home within the climatic belt at a reasonable price should not let any grass grow under their feet. The physical configuration of the land causes this belt to be confined to a strip extending from Point Concepcion, in Santa Barbara county, to San Diego-about 250 miles-and ex-tending back from the coast 40 miles say 10,000 square miles, or 6,400,000 acres. After deducting inaccessible hills, watercourses and other places which cannot be cultivated, we have perhaps 5,000,000 acres of arable land which carries with it a title in perpetuity to a proportionate share of the finest climate in the world—say enough to give 500,000 families 10 acres apiece.

The climate, even within this favored region, is of course not absolutely perfect—there is none such in the world, but it comes a little nearer perfection than any climate that exists elsewhere. It is a climate which possesses that rare faculty of letting one alone, to pursue one's avocations in peace. is not reminded of the subject of the weather by extreme heat or cold-by frost or snow, and their attendant discomforts. One can work well during the day, and sleep restfully at night. It is only new arrivals who exclaim: "What a beautiful day!" After a person has been here a few months, it is taken as a matter of course that the day should be fine.

So much for the climate. Next in order comes the soil.

We believe we risk nothing when we say that, in no part of the worldtainly in no section of the United States-can so large returns be made from an acre of ground as in Southern California, or so great a variety of valuable products be raised. Here—often side by side—may be raised not only such semi-tropical fruits as the orange, lemon, citron, lime, pomegranate, olive and fig, but also the northern fruits and berries, the cereals, and immense crops of vegetables, which can be gathered and shipped in winter, at a time when eastern vegetable gardens are under snow. Our fruits may be shipped green, dried or canned. At home we have a ready market for more dairy produce than we can raise. Orange orchards have paid over \$1200 an acre; berries over \$500; walnuts over \$300; apples \$150 to \$200, and winter vegetables enough to pay for the land in a year. A man can make a good living for himself and family and lay by money on 10 acres of Where else can this be done? How many eastern farmers are doing as well on 160 acres?

Another material advantage which Southern California offers to enterprising men is the rapid development of the country, and the consequent numerous openings which exist for the profitable employment of capital and labor. While the collapse of the speculative real-estate boom has put an end to the mushroom-like growth of paper towns, it has not affected our solid growth. Water is developed in a granite mountain, and piped on an arid plain, where, as long as the memory of man lasts, no living thing, but the coyote and jack-rabbit, or an occasional raquero, ever broke the stillness. Then comes the magic touch of water and-presto, what a change! The erstwhile arid plain is covered with handsome, tree-embowered homes, and within a dozen years ships fruit to of snowstorms and blizzards, we have and within a dozen years ships fruit to here balmy airs, blue skies and bright the value of a million dollars. Southern California is now in the formative stage, and men of enterprise and courage who venture their capital, muscle or brains in assisting to build up the coming State will reap an hundred-fold. The capitalist may make a fortune by developing water—which in Southern California is king—for agricultural and domestic purposes, in building narrow-gauge railroads, erecting gas works, or in purchasing a vast amount of climate. Are you not large tracts of farming land at a mod-

erate price, subdividing, and selling it to settlers in small tracts, on easy terms of payment. For those who prefer to cultivate the soil, there are big rewards. The man who plants an orange orchard will have a good income in five years, and at the end of ten years can count on 100 per cent. a year on his investment. Mining offers great inducements to the capitalist in Southern California. It is a comparatively virgin field, but the indications of mineral wealth are great and widely distributed. In the line of small manufacturing there are also many openings for the profitable use of capital. Among other things may be mentioned the establishment of glass factories, fruit canneries and drying works. Stoves, furniture and leather might be made here on a considerable scale, while for those who have large capital at command, and anderstand the business, there is a splendid field for the establishment of several beet-sugar factories. Finally, if a man wishes to lend his money on mortgages, he can get from 8 to 10 per cent. net in Los Angeles, on gilt-edged security.

Men who have only muscles and industry can do well here also. In our interviews with farmers will be found accounts of several who came to South-ern California "broke" ten or twelve years ago, and now have comfortable homes, with, in some cases, property paid for and money in bank.

Add to all these things easy and rapid communication from place to place, good schools and colleges, churches, libraries and theaters, and a refined, hospitable and educated class of people, and you have at least a few of the great and solid inducements which Southern California offers to those who are seeking a new location.

MANY CLIMATES.

All of Southern California is not a semi-tropical region. It has many climatic belts, in which certain variations exist which so modify it in some respects as to produce in some localities a peculiar fitness for certain produc-tions such as do not exist, perhaps, in localities lying within the range of a few miles. There are frost-less belts where the banana thrives even far up on the footnills. There are sheltered spots where the date will ripen, and where the sun appears to center its warmth; here a cañon's wall lifts its sheltering sides, shutting off every harsh wind, and reflecting the sun's rays from its walls. How every tropical thing loves such shelter and springs into swift growth and perfection. There are other points where the orange does not give the best results, but close at hand, perhaps, just the conditions required for its perfection exist. You can hardly determine in what this modification consists. only recognize the fact of its existence There are points where as good apples can be grown as those found in New England orchards, and beside them flourish the orange, the guava and the nectarine. The quality of our sun-shine is not strained. It has elements for every needed growth, whether of a temperate or semi-tropical character. It is diffusive and abundant, and in its constancy, perhaps, is bidden the secret of its marvelous results.

OF THE GREEK TYPE.

It is the old Greek life that is coming again to the shores of the Pacific. Here will be built our modern Athens, and great commercial cities upon the shores of the few harbors that indent our coast. Few and far between are the highways of commerce to the sea upon this coast, but where these outlets do exist traffic will flourish.

Upon one of these grand outlets Los Angeles is built. Through the mighty wall of mountains surrounding her has the railroad forced its way at Tehachepl, so that coastwise can tend the commercial products of all the vast above the sea. It will also be above Angeles is not only the depot of supplies for a great region of country, but she is also the center for commercial traffic for the whole of Southern California, and when once her harbor improvements are perfected, and all her lines of railroad completed, she will send out to all the markets of the

world her stores of oil and wine, her nuts and her olives, her oranges and figs, and her inexhaustible supplies of corn and grain. Although now a city of more than 75,000 inhabitants, she is but the germ of the fine commercial and manufacturing city that she will be in the future.

AN EXPRESSION OF THANKS.

For valuable assistance rendered in compiling the facts and figures pre-sented in this number, THE TIMES desires to express thanks State Controller John P. Dunn. thanks all of the city and county officers who have taken especial pains to furnish statistics of their several departments; to Postmaster Preuss and his deputy, Mr. Flint; to Collector of Internal Revenue, Guy Barham; to the Receiver of the United States Land Office, I. K. Polk; to the Collector of the Port of Wilmington, George Hinds; to Col. Treichel, Governor of the Solto Col. Treichel, Governor of the Sol-diers' Home; to Col. Grierson, in command of the Military De-partment of Arizona, and Mr. Franklin, Signal Service observer. To the secretaries of the Board of Trade and Chamber of Commerce; to J. P. Culver, civil engineer; W. H. Storms; Albert F. Kercheval, poet and orchardist; C. N. Wilson, apiarist; Charles A. Gardner, poet; A. D. Childress, of the City Bank; Mr. J. C. Robinson, manager of the cable system; F. W. Wood, manager of the Temple-street railway; W. J. Brodrick, manager of the Main-street and Agricultural Park Railway; to the officials of the Southern Pacific and Santa Fé systems, and a host of correspondents; Mil gracias, caballeros!

THE GOLDEN MEAN.

This is a summerland, and yet a land without a summer, if summer be characterized by sultry and oppressive heat. Between the coast region and the warmer inland valleys rise the vast walled sierras, shutting off from us the hot winds from the desert. Between us and the outer ocean sleep the channel islands, shielding us from the chilling ocean breezes. Balmy and soft are the winds that reach Balmy and us from the sea, tempered by the hot air that has settled down upon the ocean after drifting over the mountain tops from the desert wastes be-yond them. The high upper stratum of dry air relieves the sea breeze from its dampness and gives to our climate the peculiar dryness which distinguishes it from the climate of the Atlantic Coast. Nowhere else upon the globe do the conditions for climatic comfort exist so fully as with us. To understand them fully one must come here and enjoy them. And coming one will be loth to leave the land where Nature does not trouble us, but where she is screne, restful and perfect.

OUR FOOTHILLS.

The great foothill slopes of Southern California are most favorable to the culture of the grape. The stranger unacquainted with our soil, looking at these hillsides when browned by the summer sun, might regard them as But plowed barren and undesirable. and watered and set to vineyards, they become marvelously pro-ductive. The grape loves these they ductive. The grape loves these warm, sunny slopes, where the soft breezes tpy with its leaves, and the sun searches its soil, and rich and juley are the fruit which they yield. A hillside vineyard is a thing of beauty and of pride to the owner. for there his fattest grapes hang in purple clusters like the grapes of Eschol, sweet with the touch of the warm southern sun, and ready to be turned into the wine which "maketh glad the heart of man."

FROM MOUNTAIN HEIGHTS.

The new observatory upon the summit of Wilson's Peak will be 6000 feet territory beyond the mountains. Los the fogs of the valley-the white drift of clouds. There will be but comparatively few days in the year when above this proposed new observatory, with the largest telescope in the world, will not bend the unclouded starry skies, affording the scientist the opportunity to push his investigations continuously. Here he can map out celestial highways unhindered, and study the vastness of planetary pheres. Here he can weigh suns, trace out the pathway of comets, search for starry wanderers and roam the star-gemmed Milky Way with the clouds and the mist floating below him and only the clear, silent, star-lit

PRICES OF THE ANNUAL.

The following are the rates charged to all, whether agents or not, for this publication:

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A 41		- 50-	1-			9		3

A thousand people each buying and mailing 10 copies at a cost of \$1, can secure a total circulation of 10,000 copies abroad; the effect of which will be to bring into our midst hundreds of new settlers, with thousands of dollars of fresh capital. Try it!

CONTENTS.

A full index of the contents of this Annual will be found on the last page.

THE Flower Festival Society is an appropriate and unique Los Angeles institution, composed of a band of prominent ladies, who give each year a grand floral carnival at Hazard's Pavilion. The object of the society is to provide, at a reasonable figure, respectable boarding places for young women who work in stores and factories. The society has a commodious building on Fourth street, where young women are boarded at cost; or, if their salaries do not justify even that outlay, at less than cost. The fair occurs annually in April, and every tourist who visits it will feel well repaid for his time.

ONE of the attractions of a residence in Los Angeles is the great variety of charming summer excursions which may be made within an easy distance of the city. On the one hand, for those who love the sea, there are the beautiful beaches of Santa Monica, Long Beach, Redondo and other places, while those who prefer the mountains may find delightful camping places among the pines back of Pasadena and Monrovia. All these are an easy day's journey of the city; in fact, one may go and return within the day, after a good, long sojourn at either of these resorts.

It is summer with us in the valley. Oranges are turning daily more golden in the sunshine. The palm waves softly in the light breeze, and millions of flowers are abloom in garden and on hillsides. But above the valley is lifted the Sierra front, and there winter is enthroned. Gorge and mountain crest are filled with the white snow drift. Hoary and white as Mt. Blanc are the loftier peaks of the Sierra Madre. Up to their frozen heights floats the fragrance of our summer valleys, and winter and eternal summer clasp hands beneath skies filled with flooding sunshine.

WE almost fear to say how many people Southern California could support in comfort, and even luxury, were our fertile acres developed as they should be. Our eastern readers would accuse us of giving them what they would term a "California yarn." When it is When it is remembered, however, that, as is clearly shown in other columns of this issue, an industrious man can support a large family on 10 acres, and put by money in bank, we are justified in predicting that some day there will be a million people in Los Angeles county

WE do not hear so much talk nowadays about the fruit market being "overdone." In fact, the more fruit that is grown, the better the market is, fornia is yet in its infancy. Ten years hence we shall be shipping a train load for every carload that goes East at present.

THERE is everything in this section to foster the love of country. Pre-

So sumptuous is Nature; so rich in productiveness; so genial in her climatic charms; so grand and sublime in the loftiness of her mountains and the extent of her sea; so unrivaled in her sunshine, and so picturesquely beautiful in her broad and ever-varying landscapes, that it would seem impossible for one to live here "with soul so dead" as not to rejoice continuously in the fact that this is a part of his country, the home of American free-

WHEN the rich oil-fields of Pennsylvania have become exhausted, the country will find in those of California at least a partial substitute. Though only a small portion of those fields have been developed, indications point to a large supply of this natural illu-minator—enough for all purposes of home mmanufacture, for fuel and for light. When our thousands of new manufactories shall have been built, Nature stands ready, with her supplies of oil, to keep all the busy wheels of industry astir.

Tris is a section of good schools. We are people who set great store upon education. Colleges and schools of the first order abound on every hand; in fact, Los Angeles bids fair to become a modern Athens. Teachers of art, science and literature also abound. The total disbursements for carrying on the county schools during the past school year were \$380,419, and bonds to the amount of \$219.540 were sold during the year for the purpose of erecting and furnishing school buildings outside of the city of Los Angeles.

What would our eastern small farmers think of a continuous harvestfield of 60,000 acres of wheat? Let them come here at the proper season and from the heights back of Los Angeles they can look down upon such a vast billowy sea of golden grain in the broad and fertile valley of the San Fernando. But at this season the valley reminds us of the "green pastures and still waters" of which we read. It is a magnificent prospect, while overhead are cloudless skies and an ocean of sunshine.

Our mountains look bare and frowning as we glance upward at their sides, but upon them grow great fields of white sage and other plants, from which is made the most delicious honey. The beeloves these wild mountain pastures, and in their midst are numerous bee ranches, and upon these higher pasture grounds feed also in-These craggy numerable sheep. heights are, too, the delectable lands of the goat, who finds amid the rocks ample sustenance.

Don'T forget that Los Angeles has good summer as well as winter climate. Situated, as we are, within about 12 miles of the coast in an air line, we have no extreme heat to contend with, the summer nights especially being invariably cool and re-freshing. Yet, so widely disseminated is the idea that this is a country of torrid temperature, that visitors who come to see us during summer are continually expressing surprise at our pleasant weather.

THE boom has vanished, but it has left neither discouragement nor business paralysis behind it. Business is active in all its channels, and the pros-pect was never brighter for a year of solid prosperity than now exists. The rains have been copious, enough already to assure abundant harvests; and all our cultivated lands hold the promise of overflowing crops. We are by no means dead, and our faith in the future of this section was never

THE past year has been a note-worthy one for our horticulturists. The orange-growers have got rid of sequence the orange-growers are, to use a hackneyed expression, "jubilant." Many orchards which seemed irrevocably lost are now making fresh and vigorous growth.

THE theater-goer will find plenty of eminently here should flourish men attractions in Los Angeles. We have loyal to the land in which they live. two regular theaters, which are run-

ning all the time, besides which there is Hazard's Pavilion, which has the largest seating capacity of any building on the coast used for dramatic purposes, affording comfortable room for 3000, and the new Turnyere in Hall, which can seat 1200. All the leading attractions which visit the coast come to Los Angeles.

SOUTHERN CALIFORNIA does not brag all the time about her capacity for growing oranges, as do some of our esteemed friends in the northern part of the State. While our northern neighbors are talking about what they can do in the line of oranges, Southern California is shipping them at the rate of over 2000 carloads a year. So far, orange growing north of Kern county has been mainly confined to talk.

WHEN you compare the prices of land here with those to which you have been accustomed back East, you must remember that an acre here, planted in the most profitable crops, will yield a greater return than 10 acres of ordinary land back East. Therefore, according to mathematical rule, it certainly ought to be worth ten times as much, with the climate thrown in. Yet it can be bought for much less.

WHAT may be done in the way of fruit-raising in Southern California has been shown by Riverside, which received last year over \$1,000,000 for its oranges and other fruit. Yet, it is only about fifteen years since Riverside was an arid plain, the land being valued at 75 cents an acre by the County Assessor, which valuation the owner thought too high and complained of.

As a railroad center, Los Angeles is facile princeps in the State. San Francisco comes in a bad second. What is more, our lead is increasing. Wealth begets wealth, and railroads follow railroads. It is a noteworthy fact that all the new lines which are seeking entry to the coast want to come to Los Angeles. We may expect to see at least one new line constructed this

WHILE Los Angeles cannot be called a manufacturing city, it will be seen, by reference to another column, that have quite a variety of factories here, employing in the aggregate a large number of men. With cheaper fuel, such as may be expected with the advent of a Salt Lake railroad, we may expect to see the manufacturing indus try take a big bound forward.

IT is not fair for tourists to spend a week in Southern California and then go back East under the impression that they have seen the country. This is a section of such marked and manifold variety, that one might easily spend a year between Santa Barbara and San Diego-between the ocean and the mountains - seeing something fresh and interesting every day.

WE still import far too much produce from the outside. Our eggs, butter, cheese and hams should all be raised at home. There is big money for those who go into the business of supplying is now imported from abroad. We want more chicken ranches and dairy farms. Alfalfa, squashes and corn grow here luxuriantly, furnishing excellent feed.

SOUTHERN CALIFORNIA has not the extensive forests which exist in the northern portion of the State, but it is a great mistake to suppose, that this section is altogether bare of timber. On the spurs of the Sierra Madre may be found noble pines and furs, while many of our plains are dotted over with majestic live oaks, in park-like

LAND for ordinary agricultural purposes may be purchased in Southern California at from \$20 to \$100 per acre, as it pays eastern commission men to compete for a quantity, where they would not care to trouble about a few carloads. The fruit business of Cali-ladybug—vedolia leardinalis. As a confocurse, yields an immediate return. From 10 to 20 acres, well cultivated, is all that a family needs in this section.

> Our winter weather must not be judged by the sample we had last month-a month of almost continuous rain. The average number of rainy days in the year in Los Angeles is 20that is, counting all days upon which

any rain falls. This winter has proved such an exception to the rule as has not been seen for many years.

THERE are some eastern products with which we cannot well compete in Southern California. Among others, we may mention ice, snow, blizzards, cyclones, mosquitoes and bedbugs. Perhaps we might raise some of these things if we wanted to, but then we do not want to, very bad.

THE New Year is not greeted, upon its arrival here, as in the East and Northwest, by snow and ice and fog, but by sinny skies, green fields and bright sunshine—by happy children, romping bareheaded and barefooted among the roses and heliotropes and

THE TIMES has made a specialty of careful, conscientious, and indepedent dramatic criticism, employing the best talent obtainable. In this Annual Trade Number will be found a carefully-compiled and interesting review of the dramatic year in Los Angeles.

THE climate of Southern California is not enervating in its tendency, as are those of most southern countries. On the contrary, it is most invigorating. Our dry, electrical atmosphere and cool nights make the well man stronger and give life to the invalid.

THERE is plenty of romance in Southern California for those who care to seek it. This has been the home of vanished races, concerning whom we know but little. The archæologist and the student of history will find much to interest them here.

VERY few people, east of the Rocky Mountains, are aware of the area the five counties comprising Southern California, and many will be surprised to read that they have an area almost 4000 square miles larger than the State of Ohio.

OUR cable railroad system, which is now completed, is a credit to the city and to the company which built the road. There is certainly no city in the world, of the size of Los Angeles, with so complete a system of cable railroad.

THE chief exports from Los Angeles to the East are dried and green fruits, wool, wine, brandy, hides, vegetables and potatoes. During the orange sea son as many as 25 cars loaded with oranges sometimes leave the city daily.

THE Public Library is one of the Los Angeles institutions of which our citizens are justly proud. During the year, 4771 volumes were added to the library, and the elegant new quarters in the City Hall have been fitted up.

THE cost of building in Los Angeles has fallen very materially during the past two years. Material and labor are both much lower, and a cottage which would have cost \$1500 in 1887, can now be built for \$1000.

Two large tracts of unimproved land are reserved by the city for parks, but the only parks worthy of the name at present are the Sixth street and Second street parks. The former is small, but quite a gem in its way.

UNIMPROVED land for orange culture may be had at from \$150 to \$300 an acre. This is land upon which the orange will reach perfection. none too much of such land, even in Southern California.

WHEN our harbors are improved, as they soon will be, a large amount of Asiatic and Australian trade will come to Southern California. Los Angeles will then more than ever be a busy commercial mart.

THERE is a considerable amount of valuable property in this county, even at the Assessor's estimate and afterboom figures. An assessment of \$84,000,000 for the county is a pretty good showing.

EIGHTEEN hundred and ninety opens very auspiciously for Los Angeles. The evil effects of the boom are fading away and our citizens are beginning to put their hands to the plow in earnest.

HAVE you, men and brethren of the East, anywhere 3000 feet above sea level, great wheat-growing valleys which

yield in rich abundance their golden harvests? We have them here, where the finest of wheat is grown, as in the Antelope Valley for instance, and the harvests are abundant.

WHAT a remarkable growth! Population of Los Angeles in 1880, 11,183; in 1890, 80,000. During the same period, the taxable wealth of the city has increased from \$7,627,632 to \$44,-871,073.

THE Spanish-speaking population of Los Angeles is very intelligent. Scores of them hold important positions, and their records will compare most favorably with those of any other nation-

Now is assuredly a good time to buy real estate. There are great bargains to be had in and around Los Angeles, from persons who are on the wing, as so many Americans always are.

OUR visitors must not think that we can only raise oranges and lemons in Southern California. This is a good corn country, and we can beat the world on "punkins."

On one acre of land in Southern California the settler can raise, at all seasons of the year, a greater variety of vegetables than his family will be able to consume.

THERE are fruits in the Los Angeles market every day in the year, from oranges and strawberries in January to strawberries and oranges in

THERE are good indications of natural gas in the neighborhood of Los Angeles. No serious effort has yet been made to develop it, or to prove its

Los Angeles is a city of churches. Almost every sect of prominence known in this country is represented. Strangers are always cordially wel-

SOUTHERN CALIFORNIA is able, with proper development, to supply the Nation with wine, oranges, olive oil, figs, raisins and honey—also with cli-

THE charge that Los Angeles is an fill-paved city will soon be groundless. We spent last year nearly \$150,000 on pavements, sidewalks and sewers.

RENTS are far more reasonable than they were two years ago. There is no trouble about finding houses to suit any one just now, in Los Angeles

Los Angeles county lost about \$10,000,000 of property by the secession of Orange county. It all remains in Southern California, however.

IT is estimated that over 20,000 persons in Los Angeles belong to secret societies. All the prominent orders are represented.

It is certainly a pretty healthy kind of a "busted boom" when a county can show over \$10,000,000 cash on deposit in its banks.

Los Angeles is the central commercial point for Southern California, Arizona and New Mexico.

EXAGGERATION is unnecessary in writing about Southern California. The truth is good enough.

Four and a half million dollars invested in buildings is not a bad show-ing for a "dull" year.

Los Angeles is a cosmopolitan city. Almost every nation under the sun is represented.

Los Angeles county is more than two-thirds as large as the State of Massachusetts.

Los ANGELES is the city for ideal homes.

Semi-tropic December.
O tropic skies! what hand hath poured your

And faid soft, amber touches on the hills,
With daisy stars 'mid the green grasses told,

Were ever skies more fair than those that Bun-flooded o'er the old year's sleeping

breast? Did ever flowers more tenderly lend

pressed
To the soft wind, which, incense-laden, s

LOS ANGELES FINANCIALLY.

[Daily Times, Dec. 28.] THE TIMES has on various occasions dwelt upon the satisfactory financial condition of the city of Los Angeles, as respects its banks, and now touches upon the matter more in detail, giving some of the significant official ures which make the basis for the faith expressed.

A condensation from the detailed statement made up from the Bank Commissioners' Report shows the following Los Angeles city commercial banks and banking institutions and banks and banking institutions and their condition, as respects the three items of (1) capital paid up; (2) money on hand, and (3) total assets, on the list day of July last, to which time the report was made up. The names of these institutions are: Farmers' and Merchants', First National, Los Angeles National, Los Angeles National, Los Angeles National, Los Angeles County Southern California National geles County, Southern California Na-tional, City Bank, University Bank, California Bank, East Side Bank, State Loan and Trust Company. The Na-tional Bank of California, which has been started since the 1st of July, and is not embraced in the Bank Commissioners' Report, is included in the fol-

Savings Bank of Southern California, Security Savings Bank and Trust Company, Main Street Savings Bank and Trust Company. They collectively show the following figures:

 Capital paid up
 \$ 151,330,00

 Money on hand
 29,228,34

 Total assets
 903,906.31

People's and Pomona Bank, at Pomona; First National and Granite Bank, at Monrovia; Bank of San Pedro; First National at Santa Monica; Bank of Alhambra; Blythe, Scott & Maholm, at Downey, and Ricker, Mason & Lindley at Whittier. These banks, together, show the aggregates given below:

total available cash for both city and county banks, \$5,280,879.96; total capital paid up, \$3,199,346; total surplus, \$1,525,034.04; total capital and surplus, \$4,724,380.04; total deposits in city and

county banks, \$10,829,063.66.

Grand aggregates which might safely be arrayed alongside of the banking operations of any city in the country.

In the case of two of the leading na-In the case of two of the leading national banks of the city—the Los Angeles and the First—the following detailed figures are given, showing the condition of these banks on the 11th of December, when their last official statement was made. The First National has aggregate resources of \$2,344,629.90, consisting in part of United States bonds, \$150,000; loans and discounts, \$1,150,311.10; stocks and other securities, etc., joans and discounts, \$1,150,311.10; stocks and other securities, etc., \$244,262.02; due from approved reserve agents, \$114,612; due from other national and State banks, \$116,513.38; banking house, etc., \$91,634.64; specie, \$418,260. Its capital stock paid in is \$200,000; its surplus, \$50,000; its undivided profits, \$185.726.33; its United States deposits, \$199,989.48, and its individual deposits subject to check, \$1,510,569.62. The head of this strong institution is the old-time banker and citizen, E. F. Spence.

The Los Angeles National—Maj. Bonebrake's bank—is an example of a rapidly-built-up and remarkably, successful financial institution. It came into existence but a few years ago, and is now recognized as one of the financial bulwarks of the city, county and State. It has aggregate resources of \$2,231,923.69, the principal items—of—which are: loans—and discounts, \$824,603.86; stocks—and bonds, \$72,181.11; banking house, etc., \$173.505.44; available cash—\$1,148.106.

discounts, \$824,603.86; stocks and bonds, \$72,181.11; banking house, etc., \$173,505.44; available cash, \$1,148,106.-06. Its capital stock is \$500,000; its surplus, \$55,000; its undivided profits, \$52,645.74; its circulation, \$45,000, and its deposits, \$1,579,277.95.

All the banks of Los Angeles are worthy of the name; none are wild cats or gophers. Let distant critics make a note of it.

CHARACTER SKETCHES.











A wayside House.



SEEN FROM MY WINDOW.

It is the last day of December, but over us are spread the bluest of un-clouded skies. The sunshine is warm and the air in these summer valleys and the air in these summer valleys holds but the faintest hint of the chill that wraps the summit of the snow-clad peaks 9000 feet above our tropic calm. Looking from my window I seo the earth covered with lush green grasses. The purple-winged doves are fluttering on the house-tops. A yellow butterfly is loitering in the sanshine, and the flies are swaying with a merry hum in the mazes of an airy dance.

low butterfly is loitering in the sunshine, and the flies are swaying with a merry hum in the mazes of an airy dance.

A little barefooted boy runs along the highway, and stops long enough to thrust his small toes into the trickling stream that runs singing along the gutter, a lingering tide ground out by the late rains. Across the street are lovely homes set in the midst of pleasant shade. In the grounds immediately across the way are the swaying branches of the date and fan palm, side by side with the cool emerald of the cedar. Bananas wave their long, drooping branches, and the Japanese bamboo thrusts forth its thritty arms. How beautiful is the lovely magnolia and the blossoming Gravellia. How like magic-lanterns swing out the red blossoms of the glowing hibiscus, and like awhisper of the ages gone, which passed along the Nile with the grandeur of their vanished civilizations, is the Egyptian papyrus. Beside it, also, the Nile grass is growing, and beyond it, in the same garden, grow the orange, the lemon and the lime. Here, too, is the Japanese persimmon, with its luscious reddish-yellow fruit, so full of delightful flavor when the sun has ripened it. The Smyrna fig spreads its broad leaves to catch the sunshine, and the tail, sentinel eucalypti thrust their lofty trunks 80 feet skyward. The light breeze sways their tops gently and there is a rustling amid the leaves like the whisper of voices. The brilliant green follage of the pepper tree is brightened by its numerous clusters of gay scarlet berries, and beneath their boughs are the long rows of blossoming callas. All the roses, too, are in full bloom, and their fragrance weetens the dying breath of departing December. Here comes a gay hummingbird in garments of green and gold, fluttering a moment upon an orange leaf, and there a happy song bird wings his way to the crest of a majestic walnut tree. I see, too, a swallow's wings skimming the blue arr, and a mockingbird makes his swift flight, seeking some bough on which to sing. The warm and balminess of

SAN BERNARDINO BANKS.

A List of the Financial Institutions of the Big County. The following is a list of the banks of San Bernardine county, with amount of capital, names of officers,

amount of capital, hames of omeers, etc.:

San Bernardino. — Farmers' Exchange: Capital, \$50,000; surplus, \$81,000; H. L. Drew, Pres.; R. Gird, V.P.; S. F. Zämbro, Cash. First National: Capital, \$100,000; surplus, \$15,000; J. H. Smith, Pres.; M. B. Garner, V.P.; Joseph Brown, Cash. San Bernardino National: Capital, \$200,000; surplus, \$12,000; J. G. Bent, Pres.; Seth Marshall, V.P.; W. S. Hooper, Cash. Bank of San Bernardino: Capital, \$200,000; surplus, \$8000; Lewis Jacobs, Mgr.

Riverside.—Riverside Banking Company: Capital, \$200,000; surplus, \$60,000; A. Keith, Pres.; J. A. Brenneman, V.P.; O. T. Dyer, Mgr.; E. C. Dyer, Cash.; J. H. Goodhue, Asst. Cash. First National: Capital, \$50,000; surplus, \$8000; A. H. Naftzger, Pres.; L. C. Waite, V.P.; A. Halberlin, Cash.; S. J. Castleman, Asst. Cach.

Pres.; L. C. Waite, V.P.; A. Halberlin, Cash.; S. J. Castleman, Asst. Cash.

Colton.—First National: Capital, \$100,000; surplus, \$8000; J. W. Davis, Pres.; W. R. Fox, V.P.; H. B. Smith, Cash.; Georgé E. Burrall, Asst. Cash.

South Riverside. — Citizens' Bank: Capital, \$90,000; R. B. Taylor, Pres.; R. B. Woodall, Asst. Cash.

Ontario. — State Bank: Capital, \$44,500; S. P. Hildreth, Pres.; Charles Frankish, Cash.

Redlands.—First National: Capital, \$50,000; surplus, \$3000; F. P. Morrison, Pres.; J. W. Wilson, Cash. Union Bank of Redlands: Capital, \$25,000; surplus, \$2000; Curtis Wells, Pres.; R. B. Lane, Cash.

B. Lane, Cash.

Florence

is an agricultural settlement lying just south of the city of Los Angeles, on the San Pedro branch of the Southern Pacific. It has made satisfactory prog-ress during the year. The farmers are well-to-do, enjoying the double ad-vantage of a fruitful soil and a close market.

THE THEATERS.

DRAMATIC BILL OF FARE FOR THE PAST YEAR.

Managerial Experiences of Wyattand Douglas-A Good Record-Los Angeles Theater Under McLain & Lehman-Other Notes.

MONG the points which would naturally interest people of culture in making their inquiries into the desirableness of a new city as a place of permanent residence, it must be conceded that the facilities offered for refined amusement would be one of the most important to take into consideration.

A short statement of fact on this subject and a résumé of what has been offered to the amusement-loving public during the past year is therefore in order.

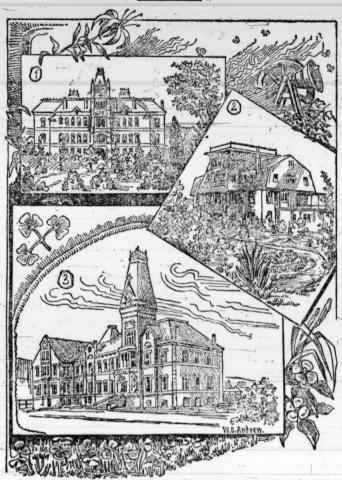
In the first place there is the Grand Opera-house, opened in 1884, and which is today one of the most elegant theaters in the United States. It has been partly reconstructed since build-ing and was entirely redocorated at considerable expense. It has a seat-ing capacity of 1800. For a long time this theater has been under the able

management of Harry C. Wyatt, and the leading attractions that have come to the Pacific Coast have been played here with hardly an exception. In March last Mr. Wyatt associated himself with R. S. Douglas, an experienced manager, formerly of St. Joseph, Mo., and the two gentlemen have given every satisfaction to the patrons of the theater. The list of engagements for the year just expired is as follows, it being premised that in most cases the different companies played one week. Emma Abbot Opera Company, in The Yeomen of the Guard and other operas; Lydia Thompson English Burlesque Company, Leavitt's Novelty Company, Grismer-Davies Company, in Forgiven and The World Against Her; Imre Kirally's Black Crook Company, Carleton Opera Company, in Mynher Jan, Queen's Lace Handkerchief, Erminie and Nanon; J. K. Emmett, Frederick Warde, in The Mountebank, Demon and Pythias, William Tell, Virginius, Gaston Cadol and Richard the Third; Modjeska, in Mary Shart, As You Like It, Adrienne Lecoureur, Camille and Cymbeline; Sol Smith Russell, A Hole in the Ground Company, Conred Opera Company, in The King's Fool; Effic Ellster, Little Tycoon Company, in Mignon. Dorcthy, Don Pasquale, Bohemian Girl, Musketers, Pygmation and Galatea, Fatinitza and Fra Diavolo; E. H. Sothern in Lord Chumley and The Highest Bidder; Johnson and Slavin's Minstrels; Tye Leat Company; Old Jed Prouty Company; Twelve Temptations spectacle; Thatcher, Primrose and West's Minstrels; New York Lyceum Company; Robert Mantell, in Monbars and Othelic; One of the Bravest Company; Robert Mantell, in Monbars and Othelic; One of the Bravest Company; Robert Mantell, in Monbars and Othelic; One of the Bravest Company; Rarl Gardner: Rose Coglian, in Jocelyn, Peg Woffington and Forget Me Not; Hoyt's Parlor Match Company; The Stowaway Company; Murray and Murphy, Henry T. Chanfrau; Fanny Davenport, in La Tosca; Hoyt's Brass Monkey Company; Little Lord Fauntleroy Company; Second Visit; Path Rosa; Minnie Maddern, in Caprice and In Spite of All; Stuart Robson, in The Henriett

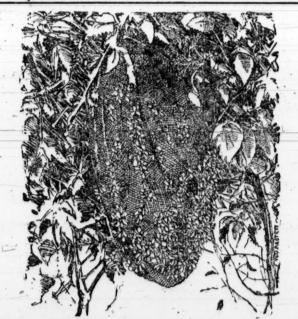
Company; Vernona Jarbeau, in Starlight.

The Los Angeles Theater was built in 1888 and opened by H. C. Wyatt. It has a senting capacity of 1250 and is prettily fitted, though the arrangements in front of the house are not quite so good as at the Grand, to which it is a sort of rival. No great amount of business was done at the house until Messrs. Wyatt and Douglas conceived the idea of making a stock opera company and giving a summer season of English opera at cheap prices. Mrs. pany and giving a summer season of English opera at cheap prices. Mrs. Bettina Padelford was the prima donna and a very fair company was engaged, and the pieces were very well staged, but after losing about \$8000 in the venture the managers concluded that it was a little early yet to try a stock opera company in Los Angeles. On the first of October last the theater was leased by McLain & Lehman, both old residents here and well known in the theatrical profes-

EDUCATIONAL INSTITUTIONS.



(2) Ellis College. (3) St. Vincent's College.



A typical Southern California natural bechire.

sion. These gentlemen began without any bookings but in three months they have played a number of good attractions, and bave always managed to come out aliead. Their engagements have been as follows: Herrmann, the magician; Humpty Dumpty Pantomine Company, Nellie McHenry, Barnes of New York Company, Frank Mayo. in Davy Crockett and Nordek, John Slater, Uncle Tom's Cabin Company and Georgia Minstrels.

The Pavilion, with a seating capacity of 3500, is a substantial structure, but on account of its size has only been used for large affairs, such as the May flower festival, Sam Jones, the revivalist, and the Gilmore concerts.

The Turnverein Hall, with a seating capacity of 750, and Armory Hall, which will seat 1000, are both favorite places for concerts, lectures and dramatic and social entertainments. The Illinois Association Hall, corner Sixth and Fort streets, just completed, will seat about 900 people.

seat about 900 people.

Heavy Postoffice Business.

The receipts of the Los Angeles ostoffice during 1899 amounted to nearly \$120,000, instead of \$20,000, as is made to appear by a typographical error on page 15. The total increase of pieces delivered was 1,138,185. These figures show a vast and significant in-crease over 1888. THE FIGS OF COMMERCE.

Experiments in Culture in California-Results Thus Far.
ICalifornia Fruit-Grover.

At Smyrna, Asia Minor, the figs grown in the interior are marketed and packed for export. In all the districts except that of Addin the figs are excellent while fresh, but lose their flavor and become colorless when dried. The fig know in this country as Smyrna, or "figs of commerce," are cultivated and grown in the Valley of the Meander, in the district of Addin. When fresh these figs are not palatable; but when dried nearly every person can speak of their delicious qualities, which thus far stand unrivalled by the product of any other country or any other locality, even in Asia Minor. At present there is a considerable amount of interest manifest in this State regarding fig culture. That we possess a suitable climate there can be no doubt. Our soil and water are matters for investigation. Experiments doubt. Our soil and water are matters for investigation. Experiments in fig growing in this State have been made, proving that the locality in which the fig is grown has much to do with the quality of fruit of the same variety. There seems to be considerable difference of opinion as to the true name or variety of a small white rule if grown in the State, called by many the White Adriatic. It is a very fine, thin-skinned, sweet, delicate fig, and

when dited resemble the Smyrna or "fig of commerce" more closely than any other known variety.

A few years ago several gentlemen in connection with the Bulletin Company, imported at considerable expense fig cuttings from Smyrna, care being taken to secure, if such a thing were possible, the variety grown in the Adia district. These cuttings were distributed and planted in various parts of the State. They show vigorous growth and have become large, strong trees, and many have fruited, but the fruit does not mature, but drops off when about the size of a walnut. Very many reasons have been given for this freak of nature. Can it not be possible that we expect too much from these trees, which are very young, having been imported during theyear 1882? Would it not be well for growers who possess these trees to wait a reasonable length of time for these fig trees to mature and bear fruit? In Asia Minor the fig tree fruits when 8 years old, but does not yield any quantity of fruit before its 12th or 15th year. If this is the habit of this fig tree in Asia Minor, what may we expect from it when transplanted in California? Not better results than when in its native soil. At the age of 15 years the fig tree of Aidin yields an average of from 40 to 100 pounds of fruit. These trees live to a very old age, being in their prime at 100 years, bearing from 225 to 350 pounds of figs. It is claimed of the Aidin trees, that when planted in other localities they grow well but fruit poorly, producing figs of a very inferior quality. The trees are propagated by seeds, suckers and cuttings. The fruit varies in cofor from deep purple to yellow and nearly white. The trees bear two crops; one ripens in the early summer from buds of the previous year, and the other in autumn from those of the spring growth; this latter forms the chief crop. The ficus carica, the name of the variety producing the "fig of commerce," grows to a height of 18 or 20 feet, and has broad, rough, deciduous leaves, very deeply lobed on the cultivated variety, whil

the cultivated variety, while in the wild state showing little or no lobe.

ILAEVESTING THE CROP.

The figs are allowed to remain upon the trees until perfectly ripe, when they commence to wither and dry; at this point some varieties drop from the trees of their own accord, and others have to be gathered from the trees, when the north wind is blowing; then they are spread on some clean, even surface, in the sun, for several days to dry. When properly cured the figs are packed in bags and sent to Smyrna, the fig market. Here the exporters purchase their supplies, which are conveyed to the packing establishment and graded, after which the men and women packers work the figs between their thumbs and forefingers. This softens and puts the fig into shape for packing. While manipulating the figs, the packers keep their hands well wet with sea water, as it is claimed that the brine hastens the sugaring of the fruit. For the purpose of improving the flavor and keeping out the moth-miller, laurel leaves are placed between the rows or layers as the figs are being packed in the boxes.

The climate in and about Aidin is

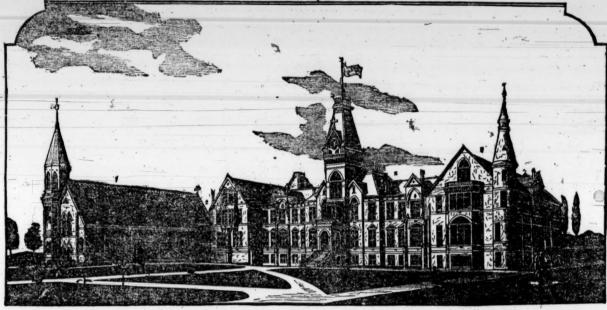
layers as the figs are being packed in the boxes.

The climate in and about Aidin is very much like that of our own State. The winters are very wet, 'springs very early and short, summers dry, with autumn all that could be desired for the cultivation of this fruit. The hot season sets in about May 15th. From that time until the middle of September the thermometer ranges from 78° to 90° in the shade. The wind blows chiefly from one direction and for long intervals. On the sea coast the heat of summer is tempered by a sea breeze which blows very strong every afternoon.

COMPTON.

A Butter and Cheese Center-Poul-try, Pienty and Homes. Compton is a town of the sixth class, about 12 miles south of Los Angeles, surrounded by one of the most pro-ductive sections of the county. It is a country well suited to the production a country well suited to the production of grains, aifalfa, potatoes, pumpkins, and all sorts of root crops, apples, peaches, pears, walnuts and small fruits of every description. The land is well watered and much of it naturally moist so that it will grow crops without irrigation. Naturally such a country-is well suited to stock of all sorts and poultry. The farmers and residents in the town are a "well-to-do-class."

Compton is a temperance town, the manufacture or sale of intoxicating liquors being prohibited by ordinance. There are about 20 business firms in the place and a population of 800. The principal exports are grain, hay, cabbage, wool, potatoes and fruit. Compton has made substantial steady progress during the year, and has felt as little effect from the reaction from the hoom times as any place in Southern boom times as any place in Southern



St. Vincent's College and Church, Los Angeles.

CITY MONEY.

RECEIPTS AND EXPENDITURES FOR THE YEAR.

Report of the Expert Who Has Beer Investigating the Books-- The Cash Received and Paid Out and What For.

OLLOWING is the City Treasurer's summary of annual report of all money transactions of the city of Los Angeles from De-cember 1, 1888, to November 30, 1889: Dr.

	December 1, 1000.		1		-
	Balance on hand			530,836	8
	November 30, 1889.				
	Cash fund	8 11.564	06		
	Salary fund	207 625	48		
	Salary fund	140 140	19		
	Common se looi rund	140.140			
	Tax 1889 90 fund	46 ,493 1			
	Library fund Street deposit fund	£94 £	.0		
	Street deposit fund	6.439	25		
	New water fund	11.474 6			
		9.325 \$			
	Redemption fund	4.044.0			
	Sewer imp't fund	4,944 8			
_	Bewer system fund	79: 7	9		7
ø	Tax 1886-89 fund	60.453 1	2	,	
	Westlake Park fund	40.1	00		
	Seboo imp't fund				
	School imp't fund	100,000			
	T and B. B. B. D. 1009	200 0			
	fund	178 (٠.
	Bundry funds	1,953	40-	1 022,068	4
					_
	lotal		-	MIC SERVE	7
	Cr	********		Tanno on	•
	Cash fund	210,464	10		
	Falary fund	178,045 4	13		
	Fire department fund	F4 183 4	14		
	Common school fund	181,328 4			
	Common Sendor rund	10 000			
	New water fund	12,286			
	General sewer fund	3.584			
	Library fund	8 131 3	39		
	Street sprinkling fund	40 6 .1			
	Irrigation system fund	8,335 4	13		
	Arrigation system rund				
	City Hall fund	160,126		- gar	
	T. and S. 1870 tund	4.641 (ж		
	Main sewer 1877 fund	1,172	50		
	T. and T. 1877 fond	12,051	20 .	-	
	Gen. irr gation fund	2,713			1
	Dend 199 ford				
	Bond 188; fund	4,660 (
	Gen. imp. bond fund	14,700		.7	
	Redemption fund	2,465	88		
	Dog fund	849			
,	Dog fund Sewer Imp. fund	7,754			
	Bewer Imp. Tund	1,104	04		
	Street deposit fund	6.741		· cole	-
	Tax 1887-88 fund	1,054	59		
	Gas fund	42 631	62		
	Bridge imp. fund	71,097	35		
	Sainseva nest, imp fund				
	Chambery a nest, imp. 1000				
	Tax 188 - 80 fund	565			
	Spring-st. paving fund	286 8			
	Main st. paving fund	1.286	43		
	Mission road fund				
	Arnold-st. fund	3.5%4	10		
	Arnold St. Lund	0.04			
	Westlake Park fund	3,364 8			
	Tax 1889-90 fund	1.520 4	18		
	Kuh ts-st imp fund	, 88.0	00		
	Park fund	23,571	13		
	Contingent fund				
	Contingent fund				
	School imp. fund	28,080	W		

	CILL RUDILOW
	Following is the City Auditor's
	summary of annual report of all money
	transactions of the city of Los Angeles from December 1, 1888, to Novem-
. 5	ber 30, 1889:
	City reasurer's Debit.
	December 1 1888

Total disbursements.

Bal. cash on hand Dec.

D		
December 1, 1888.	A	
Outstanding warrants	5 5,698 87	
Balance in bank	8	525,137 44
November 80, 1889.		No. o
Engineer's fees and ad		-4-
vertising	. 6,894 28	
Sale of property	. 981 60	
Advertising and costs	1,	
delinquent taxes		
Various sources, cas		
fund	. 1.580 70	11,564 06
L'censea sold		22,002 00
Delinquent licenses col		
lected		
Hay market fees	769 63	
Fines and fees, justice		
courts	. 11,565 22	
Fees, inspector weights		
and measures	561 20	
Pullding posmits		4
Building permits		
Other Sources, salar		BOW 82K 40
fund		207,635 46
County apportionment	40,000,00	
school money	. 43,738 25	
State apportionment	in	*, *
school money	95,898 75	
Other sources, schoo		
fund	. 503 43	140,140 42

Taxes. personal prop-	
erty 18-9-90 24.897 58	
Taxes, 1889-90 4:0,595 00-	465,493 5
D es and fines, Li-	
brary	594 5
Street deposits	6,439 2
Sales water and fishing	
permits	11,474 6
Redemptions	9,325 3
Sale sewer p pe	4,944 8
Sewer assessments	71.2 7
Taxes 1888-89	60,543 1
Contributions to West-	,
lake Park	400 0
Proceeds 100 school	
bonds	100,600 0
A crued interest on	200,000
bonds	178 0
Ail other sources in pre-	110 0
All other sources in pro-	1,953 4
vious funds	1,900 4
Tetal	1 KAT 90K Q
City Treasurer's Credit.	1,011,200 0

,	City Treasurer's Credit.		
	November 30, 1889.		
	Ca h fund 210.648 28		
:	Salary fund		
٦	Fire Department fund., 63,:54 29		
1	Library fund 8,257 05		
ď	Gas fund 42.6 1 63		
١	Street Sprinkling fund. 40 649 81		
	City Hall fund 164 0:5 68		
1	Common School fund., 181,872 48		
1	Bridge improv m't fund 71,111 71		
	Tax 1889-90 fund 2.543 25		
٦	New water fund 12 088 27		
1	Sewer improv'm't fund 7,754 84		
1	General sewer fund 3,558 89		
1	Westlake Park fund 8, 64 85		
4	Park fund 23 584 35		
1	School improv'm't fund 28,080 00		
1	Street deposits returned 6 766 35		
1	Certificates redeemed 9 714 04	14	
١	Interest coupons red'm 39 867 20		
1	Irrigation system fund 8 335 43		
1	Sundry funds 7,253 20		
d			

Total credit

	1.0
Balance in hands of Treasurer	8437,536 49
Balance ou standing warrants and demands	6,525 88
Treasurer's balance, per his report November 30, 1889	

ant, after an examination of the city's books. REDONDO BEACH.

\$1,109,669 33

Important, Commercially and as a Resort.

This new seaside resort and commercial point, pushed by the capital and enterprise of a strong company, has made rapid strides during the past year.

and enterprise of a strong company, has made rapid strides during the past year.

A wharf has been completed at an expense of about \$80,000, where vessels of the Pacific Coast and other lines, including all the sailing craft, land regularly and receive and discharge cargo. Ship and rail are here brought directly together, and it is a fact that freight landed at Redondo makes very much faster time than that brought in by way of San Pedro.

A branch line of the Santa Fé's system was built to Redondo curing 1888, and during the past year an independent narrow-gauge road has been built by the Redondo Beach Company and placed in operation. This road has recently been granted a right of way into the city, and will land its passengers at Grand ayenue and Jefferson street, where it will connect with the cable service of the city. The company has also completed within the year an elegant seaside hotel at a cost of \$120.000, and is now erecting a brick building for a depot and general offices. Car shops for the Redondo line will also be established there.

The Chautauqua Association has erected a substantial building for its headquarters, and numerous villa residences have been built by individuals. Redondo is already a popular place of resort, having a fine beach and other accessories, and it promises shortly to become a place with extensive shipping interests.

The Chautauqua Association has erected a substantial building for its headquarters, and numerous villa residences have been built by individuals.

Redondo is already a popular place of resort, having a fine beach and other accessories, and it promises shertly to become a place with extensive shipping interests.

A Sweet Lemon.

| Oroville Register.|
| George B. Springer 10 days ago picked some lemons from a tree that he had bought and set out from a Sicily lemon tree. These lemons were yet green, but he buried them in a cool

place and a day or two ago took one of them out to try it. The lemon was coloring rapidly and the rind was quite thin, but the juice was as sweet as that of an orange. There are two crops of lemons now upon the tree and at the same time it is filled with blossoms blossoms

FRUHLING BROS.

Artistic Wrought Iron Works, 118 and

Artistic Wrought Iron Works, 118 and 120 South Los Angeles Street.

This firm ranks first and foremost in their line of business, as their work throughout the city and surrounding country will attest. They have admirably succeeded, during their business existence in Los Angeles, by elaborate designs and excellent workmanship, in elevating their class of work to the standard of the arts; have become known throughout Southern California as the "wrought iron artists."

Messrs. Fruhling Bros. do all kinds of plain and architectural wrought-iron work, brass and bronze castings, ornamental wrought-brass railings for offices, etc., and are thoroughly equipped for the special finishes of electroplating in bronze, brass, copper and nickel, in their application to the ornamental portions of our work, which adds greatly to its artistic value at a comparatively low cost. Beautiful designs to select from and estimates cheafully given.

LOS ANGELES' NEW BANK,

LOS ANGELES' NEW BANK.

Encouraging Business Outlook.

LOS ANGELES' NEW BANK,

Encouraging Business Outlook.

Every week the prosperity of Los Angeles seems more assured. Constantly-increasing indications of substantial growth appear, till even the croakers are silenced. One of the surest evidences of commercial growth is that new banks find abundant support. The wonderful elasticity of Los Angeles in recovering from the depression following the boom is phenomenal, and she can successfully challenge all reports to the contrary as false. Her business stocks are not to be excelled in size nor architectural beauty in the East, and she has more costy and handsome private residences than any city of her size in the United States.

The strongest argument in favor of prosperity is the success of the new bank established four months ago, and which has held its own in a full field during dull times.

The National Bank of California is a comparatively new enterprise, but its place is a prominent and secure one in commercial circles, as the names of the gentlemen who comprise the power behind the throne will afford ample proof. The president, Col. John M. C. Marble, is an able financier, well-known in banking and railroad circles in the East. He is a pioneer banker of Ohio. Owen H. Churchill, the vice-president, came here from Montana; a cool, level-headed, conservative business man and worthy of all confidence.

Dr. W. L. Graveg is from Fresno, where he made a brilliant record in financial circles as president of the Farmers' Bank of that place. The Doctor's large business experience makes him a strong factor in the success of any enterprise in which he may engage.

Hon. Thomas R. Bard is identified with the growth of California. So well known and respected is he than mention of more than his name seems unnecessary. His home is in Hueneme, Ventura county.

Mr. M. H. Sherman is a resident of the Valley Bink of Phomix, part owner of several other banks, and, in short, one of the largest capitalists in Arizona.

Capt George E. Lemon of Washington, Occ., is a prominent attorney

a preëminently successful one. Mr. Wildman brings a ripe experience to his new field, and will prove a valuable member of the board.

Can aught but a successful career be prophesied for a bank with so competent a ferce of directors?

If strict integrity, experience, a habit of success and abundant means for so large an enterprise can be regarded as an earnest of success then the new bank starts under the most favorable suspices.

Los Angeles may well be proud that she has been chosen as the focus of so much financial ability, and feel her future assured because of the confidence of experience in her prospects.

R. J. Adcock. Attorney at Law. Practices in all the courts of the State, and titles adjusted. Room 1, 8% North Spring sk

Jno. Mansfield, attorney at law. Rooms 50 and 51 Temple block.

I have for sale two or three realestate bargains consisting of large
and desirable tracts of acre property within the city limits of Los
Angeles. These proporties have
never been subdivided, and in their
present condition afford an excelient opportunity for profitable investment to any one who believes
in the future of this city. Have
also a fine lot on Saventh-street
cable line. No fancy f gures asked.
I desire to sell only an undivided
interest in these properties, keeping an interest myself, believing
that there is a large profit to be
realized in the future.

G. A. DOBINSON, Owner,
114 S. Fort Street, Los Angeles.

R. A. CRIPPEN & SON,

113 S. Fort St., Y.M.C.A. Building.

Offer special inducements in the

Purchase of City and Country Property.

Some very desirable 5 and 10-acre tracts at East Santa Monica, one of the most desirable ocations for suburban homes in all Southern California. A large list of

Los Angeles City Property for Sale or Exchange.

THE BEST TIME TO INVEST IS NOW.

See Our List and Prices

J. C. BLACKINTON, F. E. PIERCE, Graduate Ontario Vet-érinary College, and McPherson's School of Veterinary Den-tistry, Toronto, Cana Graduate Chicago Veterinary Col-lege, Chicago, III. TELEPHONE 337.



314 South Fort Street. e accommodations for treating sick als Specialties, Veterinary dentistry, e and canine practice. Charges moderate,

Real Estate. ANDY W. FRANCISCO,

FORMERLY OF Cincinnati and Columbus O. THOS. J. STUART

Jeffersonville,

FRANCISCO & STUART

DEALERS IN

Real Estate.

NEGOTIATORS OF LOANS AND MORTGAGES.

Have for sale some of the best property in Los Angeles. Also, fine orchards near the cty and ranches throughout the county and Southern California.

OFFICE, 120 WEST FIRST ST., none 687. Adjoining Nadeau Hotel.

D. McFARLAND,

Real Estate.

Buys and Sells Mortgages, Bonds, Etc.

Ranches and Farming Lands a Specialty.

Room 13, No. 29 West Second Street, LOS ANGELES, CAL.

3. C. O iver's Real Estate Bargains FOR SALE.

BAFE INVESTMENTS AND GOOD BAR-

ONE OF THE CHEAPEST.

A beautiful 10-room, 2-story residence, between
Main et, and Grand ave.; cement walks and curb
lng; 44500.

Six large rooms and bath, lot 50x150, and small bouse in the rear; \$3500.

will buy a very pretty cottage of 6 rooms, in go

will buy a 2-story, 6-room house on one of the best-graded streets in the city; select neighbor-

\$20,000
will buy an elegabt mausion on a southwest or ner of Washington street, and one acre of groun lilled with choice fruits, shrubbery and flowers.

\$60,000

Will buy a choice piece of business property on Spring st., between First and Second, consisting of a lot containing about 6000 square feet and a good 2-story brick building. It will yield 7 percent net on the investment.

13 PER CENT ON THE INVESTMENT. A flae brick warehouse on Main st, 100x100 ement floor; leaved for 5 years at an annual ental of \$1620 per year; \$12,500 (rent paid

promptly).

THE GREAT CHINO RANCH asugar refinery is now an assured fact. Adjoining this there is offered for sale one of the best and the tho show; spice of the best and the tho show; spice of the sale one of the best and the tho show; spice of the sale of the best and the tho show; spice of the sale of

erly in part exchange.

A BARGAIN UNSURPASSED.

In the county, Forty-seven acres 4 miles fro
the city; beautiful foothill ranch, 15 acres In o
anges 5 to 12 years oid, very fine; 4 acres Englis
wainuts 10 years old, full of fruit; 2 acres of, a
mends, prolific bearers; 5 acres in assorted fruit
2 acres eucalyptus; 300,000-gallon reservoir;
shares of water to the acre; soil unsurpassed fruit; one mile from the dummy statior
this is one of the best ranches of the kin
in the county, and offered very low; located
(Glendale, which shipped over 21,000 boxes o
oranges this season; offered for about one-half it
value.

J. C. OLIVER, No. 5 S. Fort st

BEFORE YOU COME WRITE TO Bureau Information E. NITTINGER, Manager,

Real Estate.

MILLER & HERRIOTT,

34 North Spring Street

Real Estate.

WE ACT AS AGENT FOR CAPITALISTS. MAKE LOANS, PAY TAXES, COL-LECT RENTS AND INTEREST.

Buy and Sell Real Estate.

WE ARE THE OWNERS OF

The Beautiful Harper Tract

The Streets in the Harper Tract

ARE NICELY

Graded and Graveled.

Cement Walks are Laid in Front of Each Lot

THE STREETS ARE LINED WITH THE GRACEFUL PEPPER TREES.

HARPER TRACT,

where you can get as large a lot as you want From \$15 Per Front Foot Up,

or if you want a home built we will superin

If you pick out a lot on the Harper Tract part of this tract is covered with 10-year-old orange trees now full of oranges.

We have been in the real estate business before the boom, and in the boom and since the boom; so we consider ourselves well posted as to values of real estate in Southern California.

We have applicants for money at 8 and 10 per cent, net to lender, with good real estate security.

CORRESPONDENCE SOLICITED.

Miller & Herriott,

84 N. Spring Street,

LOS ANGELES, CALIFORIA

LOS ANGRLES DETRCTIVE
Bureau will furnish reliable and
constructed the second of the s

ANGELES, California THE NEW

WESTMINSTER

Opened March 1st, '88 Capacity, 40') guests. Luxuriously furnished and most delightfull) located. Rooms single and en suite. Ratei graded from \$2.50 to \$3.50 per day, according to

O. T. JOHNSON, Prop. M. M. POTTER, Manager

HENRY BOHRMANN.

414 S. Spring St., Los Angeles. Cal. Manufacturer, Who'esale and Retail Dealer in

Wood, Iron and Slate Mantels,

Fine Cabinet Ware Made to Order. Art Tiles for mantel decorations, Grates, Brass Goods, Gas Looks and all kinds of Open Fire Places kept in stock and made to order, Floor, hall and vestibule Tiles at eastern prices. TELEPHONE 788.

A

WHOLESALE

G. T. HANLY & CO., 318 Upper Main st.

Banks.

REPORT OF THE CONDITION

FIRST -:- NATIONAL -:- BANK

LOS ANGELES.

At the Close of Business, Dec. 11, 1889:

1			
	Loans and discounts	\$1,162,053	02
	United States bonds, 4s	150,000	00
	Premiums paid	24,142	63
	Other Stocks, Bonds and Warrants	244,262	02
1	Cash on hand and in banks	672,537	59
	Real Estate including bank prem-		
	ises, furniture and fixtures	91,031	64
	Total	\$2,314,629	90

LIABILITIES;		
Capital stock paid in	\$ 200,000	00
Surplus and undivided profits	235,726	33
Deposits by banks	67,260	27
Deposit: by individuals	1,689,893	80
Deposits by Government	110,000	00
National bank notes outstanding.	41,750	00
	-	-

J. M. ELLIOTT, E. F. SPENCE,

	Cachier.	President.
Je	F. SPENCE. OHN BRYSON, SR. OHN N. HUNT Secretar	President

Savings Bank

Southern California,

SOUTHEAST CORNER SPRING AND COURT STREETS, LOS ANGELES.

CAPITAL - - - \$100,000.

DIRECTORS George H. Bonebrake, F. C. Howes,
John Byson, Sr. John B. Hunt,
H. L. Drew, Hiram Mabury,
J. M. Rillott,
C. N. Hasson, Samuel B. Hunt,

Insurance.

WM. J. BRODRICK,

FIRE, MARINE, LIFE AND ACCIDENT

INSURANCE AGENT,

NO. 10 COMMERCIAL STREET,

Los Angeles, Cal

Thames and Mersey Ins. Co. dimited). Ætna ins. (v. of Hartford, State Investment Ins. Co. of New York, Travelers' Ins. Co. of New York, Travelers' Ins. Co. of Hartford, I verpool and London and Globe Ins. Co. North British and Mercautile Ins. Co. London and Lancashire Ins. Co., Manchester Ins. Co. of Manchester.

MILES D. TILLOTSON, INSURANCE,

27 WEST FIRST STREET.

Under Los Angeles National Bank.

LOS ANGELES, CAL

Agent for Phenix Insurance Company of Brooklyu N. Y.; gross assets, \$5.062, 727; 108-08 paid, \$31,395 536 59. American Fire Insurance Company of Philadelphia; gross assets, \$2. 401,555; 108-08 paid, 48,112, 74,35. The Liberty Insurance Company of New York city; cash cipital. \$1,600,600.

Unclassifed.

MEXICAN TONIC.

The Dyspeptic, the Debilitated and those Suffering from Constitution will on trial find that the

Mexican Tonic Is a Specific.

We have numerous testimonials from people who have been cured.

Correspondence Solicited. Mexican Tonic Co, 127 New High St., Los Angeles, Cal.

T. C. NARAMORE'S OFFICE,

OFFICES TO RENT

al estate broker and general financial agent

Lite Insurance.

THE BEST COMPANY.

MUTUAL LIFE

INSURANCE COMPANY

-OF-

NEW YORK.

RICHARD A. McCURDY, President.

The vast beneficence of the work of this great company goes on so quietly and smoothly that it is not always known or understood by the general public. The following state-ment of payments made by the MUTUAL LIFE INSUMANCE COM-PANY to the holders of its policies or to the r beneficiarles from organization to October 31, 1889, shows the GRAND TOTAL (embracing every form of claim) to be \$285,417,206.23.

NEARLY THREE HUNDRED MILL-IONS OF DOLLARS IN THE COM-PARATIVELY SHORT SPACE OF 46 YEARS.

Here are the items:

Paid for Death Claims..\$100,118,209 35 Paid for Matured En-

dowments........... 25,983,543 10 Paid for Annuities... 844,985 22

 Paid for Annuities...
 844,985 22

 Paid for Surrenders..
 77,407,493 20

 Paid for Dividends...
 81,062,975 36

Total.....\$285,417,206 23

While over \$126,000,000 were paid for D ath Claims and Enfowm nts, over \$81,000,000 were paid the policy-holders in dividends to reduce the cost of yearly premiums. The natural question following a perusal of the above figures will be, "What did the company receive from its policy-holders?"

For purposes of exact comparison we cannot calculate beyon! December we cannot calculate beyon! December 31, 1888, but up to the beginning of the present year the stewardship of THE MUTUAL LIFE can be accurately gauged. From its organization until December 31, 1888, it received from policy-holders in premiums \$337.951,415.88; it paid to policy-holders during same period policy-holders during same period, \$272,481,338 74; and should have on haud, \$65,470,077.14. Instead of which THE MUTUAL LIFE has accumulated the vas fund of \$126 082,-153 56. or SIXIY MILLIONS SIX HUNDRED AND TWELVE THOU-SAND SEVENTY-SIX DOLLARS, mide for its policy-holders by judicions inves ment to December 31,

EVERY DOLLAR OF THIS \$126,-082,153.56 is now hold securely in-vested for the benefit of its policyholders to meet promptly the pay-ment of all just claim.

CAN ANY OTHER INSTITUTION IN THE WORLD SHOW A STEW-ARDSHIP LIKE THIS?

THE MUTUAL LIFE INSURANCE COMPANY OF NEW YORK IS truly THE BEST COMPANY FOR POLICY-HOLDERS.

All persons who desire to have safe LIFE INSURANCE in this WONDER-FUL Company are requested to ap-

A. B. FORBES,

401 California Street, San Francis:o, Cal.,

Or to any of the authorized agencies of the C mpany, established in all the principal cities and towns of this l'acific Coast.

G. A. DOBINSON.

Resident Agent, 114 South Fort Street, Los Angeles, Cal.

Capital 8500 Burplus 81,300 Total 81,300 BTOCKHOLDERS: D. W. Childs, L. L. Bradbury, Philippie Garnier, L. M. Garnier, L. L. Goodwin, L. C. Baker, Oliver H. Bliss, Ratate D. Solomon, Jacob Kuhrts, Les Los Los Angeles, C. L. N. BREED, President, W. F. HORBYBHELL, Vice-President, W. F. HORBYBHELL, Vice-President, W. F. HORBYBHELL, Vice-President, Pald-in Capital 800.	46
Of Los Angeles, Cal. PRAIAS W. HELLMAN. Preside L. C. GOODWIN Vice-preside Capital \$800. Burplus. \$0. Total \$1,300. BTOCKHOLDERS: Angrew Glassell, Cameron E. Thom, Domingo Amestoy, L. L. Bredbury, L. C. Goodwin, L. C. Goodwin, L. C. Goodwin, Frank Lecourrour, Earner B. Lankershin, Louis Polaski, Cres. Ducommun, Frank Lecourrour, Jacob Kuhris, Chris. Ducommun, Jacob Kuhris, Coris Houne, Lesias W. Hellman. SOUTHERN CALIFORNIA N. TIONAL BANK. NADSAU BLOCK, Cor. First and Spring sta, Los Angeles, C. M. RREED, President. W. F. HORBYSHELL, Vice-President. C. N. FLINT, Cashi Paid-in Capital \$200. Eurplus and Undivided Profits \$20.	
Capital 8500. Burplus. 81,300/ Total 81,300/ N. Childs. Andrew Glassel. L. L. Bredbury. Andrew Glassel. Cameron E. Thom. Domingo Amestoy. Dec Macarel. Louis Polaski. L. C. Goodwin, Dross Ducommun. Frank Locoutreur. Sarah J. Lee. Chris Henne. CALIFORNIA N. TIONAL BANK. NADSAU BLOCK. Cor. First and Spring sta, Loe Angeles, C. L. N. BREED, President. W. F. BORBYBRELL, Vice-President. C. N. FLINT, Cashi Paid-in Capital 2500. Eurplus and Undivided Profits. 20,	
D. W. Childs. L. L. Bradbury. Domingo Garnier, James B. Lenkerablin, L. D. Bodown, Jose Mascarel, Cras. Ducommun, Frank Lecourrour, Sarah J. Lee, Chris Houne. DOUTHERN CALIFORNIA N. TIONAL BANK. NADRAU BLOCK, Cor. First and Spring sta, Los Angeles, C. L. N. RREED, President. W. F. HORRYSHELL, Vice-President. W. F. HORRYSHELL, Vice-President. C. N. FLINT, Cashi Paid-in Capital Eurplus and Undivided Profits. 50,	BAIAS W. HELLMANPreside
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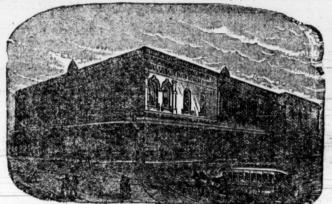
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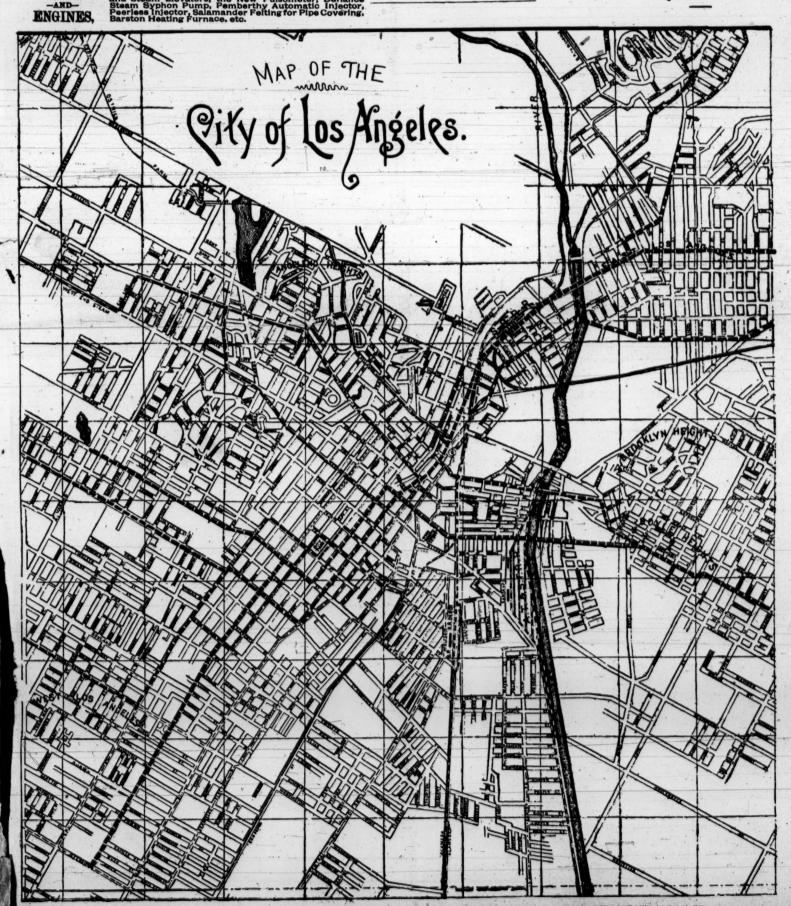
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